

Datasheet for ABIN2784666  
**anti-CHN2 antibody (N-Term)**



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1 Image

## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                          |
| Target:              | CHN2                                                                            |
| Binding Specificity: | N-Term                                                                          |
| Reactivity:          | Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Guinea Pig, Zebrafish (Danio rerio) |
| Host:                | Rabbit                                                                          |
| Clonality:           | Polyclonal                                                                      |
| Conjugate:           | This CHN2 antibody is un-conjugated                                             |
| Application:         | Western Blotting (WB)                                                           |

## Product Details

|                       |                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human CHN2                                      |
| Sequence:             | NHFNYEKTHN FKVHTFRGPH WCEYCANFMW GLIAQGVRCs DCGLNVHKQC                                                                         |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%         |
| Characteristics:      | This is a rabbit polyclonal antibody against CHN2. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified                                                                                                              |

## Target Details

|         |      |
|---------|------|
| Target: | CHN2 |
|---------|------|

## Target Details

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|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | CHN2 ( <a href="#">CHN2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Background:       | <p>CHN2 is a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. CHN2 plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. This gene is a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.</p> <p>Alias Symbols: ARHGAP3, BCH, MGC138360, RHOGAP3, CHN2-3</p> <p>Protein Interaction Partner: ERBB3, RAC1, RACGAP1, TGFBR1, BAG6, AKT1,</p> <p>Protein Size: 332</p> |
| Molecular Weight: | 38 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene ID:          | 1124                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI Accession:   | <a href="#">NM_001039936</a> , <a href="#">NP_001035025</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UniProt:          | <a href="#">P52757</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 332 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

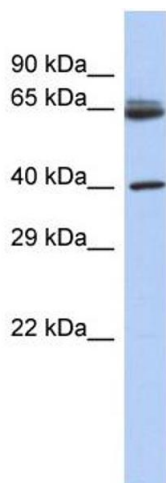
## Handling

|         |        |
|---------|--------|
| Format: | Liquid |
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Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | Lot specific                                                                                                                            |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide                                                                                                                            |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.                                                                                                      |
| Storage:           | -20 °C                                                                                                                                  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Western Blotting

**Image 1. WB Suggested Anti-CHN2 Antibody Titration:**

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** Human Thymus