

Datasheet for ABIN2786069

**anti-KIFAP3 antibody (Middle Region)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                                                 |
|----------------------|---------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                          |
| Target:              | KIFAP3                                                                          |
| Binding Specificity: | Middle Region                                                                   |
| Reactivity:          | Human, Mouse, Rat, Cow, Guinea Pig, Horse, Rabbit, Dog, Zebrafish (Danio rerio) |
| Host:                | Rabbit                                                                          |
| Clonality:           | Polyclonal                                                                      |
| Conjugate:           | This KIFAP3 antibody is un-conjugated                                           |
| Application:         | Western Blotting (WB)                                                           |

## Product Details

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human KIFAP3                                          |
| Sequence:             | WLEMVESRQM DESEQYLYGD DRIEPIIHEG DILERPDLFY NSDGLIASEG                                                                           |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%          |
| Characteristics:      | This is a rabbit polyclonal antibody against KIFAP3. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified                                                                                                                |

## Target Details

|         |        |
|---------|--------|
| Target: | KIFAP3 |
|---------|--------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Alternative Name: | KIFAP3 ( <a href="#">KIFAP3 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Background:       | <p>The small G protein GDP dissociation stimulator (smg GDS) is a regulator protein having two activities on a group of small G proteins including the Rho and Rap1 family members and Ki-Ras, one is to stimulate their GDP/GTP exchange reactions, and the other is to inhibit their interactions with membranes. The protein encoded by this gene contains 9 'Armadillo' repeats and interacts with the smg GDS protein through these repeats. This protein, which is highly concentrated around the endoplasmic reticulum, is phosphorylated by v-src, and this phosphorylation reduces the affinity of the protein for smg GDS. It is thought that this protein serves as a linker between human chromosome-associated polypeptide (HCAP) and KIF3A/B, a kinesin superfamily protein in the nucleus, and that it plays a role in the interaction of chromosomes with an ATPase motor protein.</p> <p>Alias Symbols: FLJ22818, KAP3, SMAP, Smg-GDS, dJ190I16.1, KAP-3</p> <p>Protein Interaction Partner: NAA10, NCF2, UBC, PEX19, RBFOX1, KIF3A, VHL, RANBP2, MEST, DISC1, NIPSNAP3A, NUDT21, AR, RAP1GDS1, MINK1, SMC3, KIF3B, KIFAP3, MAP3K10, RPGR, SRC, APC, MAP3K11,</p> <p>Protein Size: 792</p> |
| Molecular Weight: | 91 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene ID:          | 22920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NCBI Accession:   | <a href="#">NM_014970</a> , <a href="#">NP_055785</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">Q92845</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pathways:         | <a href="#">Hedgehog Signaling</a> , <a href="#">Sensory Perception of Sound</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 792 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

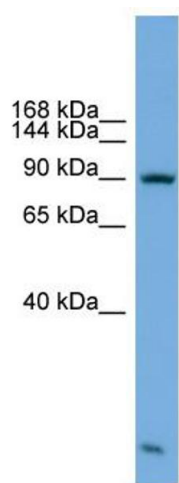
## Handling

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Format:        | Liquid                                                                                     |
| Concentration: | Lot specific                                                                               |
| Buffer:        | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % |

Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                    | 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-KIFAP3 Antibody Titration:**

0.2-1 ug/ml

**ELISA Titer:** 1:62500

**Positive Control:** PANC1 cell lysate