

Datasheet for ABIN954031  
**anti-PCDHA3 antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 0.4 mL  |
| Target:              | PCDHA3  |
| Binding Specificity: | AA 780-808, C-Term                              |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This PCDHA3 antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Enzyme Immunoassay (EIA) |

## Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | KLH conjugated synthetic peptide between 780-808 amino acids from the C-terminal region of human PCDHA3 |
| Isotype:                    | Ig Fraction   |
| Specificity:                | This antibody reacts to PCDHA3.   |
| Cross-Reactivity (Details): | Species reactivity (tested):Human.  |
| Purification:               | Affinity chromatography on Protein A  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | PCDHA3                                     |
| Alternative Name: | PCDHA3 ( <a href="#">PCDHA3 Products</a> ) |

## Target Details

|             |  |
|-------------|--|
| Background: | <p>This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. Synonyms: PCDH-alpha-3, Protocadherin alpha-3</p> |
|-------------|--|

|                   |           |
|-------------------|-----------|
| Molecular Weight: | 102428 Da |
|-------------------|-----------|

|          |       |
|----------|-------|
| Gene ID: | 56145 |
|----------|-------|

|                 |                           |
|-----------------|---------------------------|
| NCBI Accession: | <a href="#">NP_061729</a> |
|-----------------|---------------------------|

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
|--------------------|--|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

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

|                |            |
|----------------|------------|
| Concentration: | 0.25 mg/mL |
|----------------|------------|

|         |                                |
|---------|--------------------------------|
| Buffer: | PBS, 0.09 % (W/V) sodium azide |
|---------|--------------------------------|

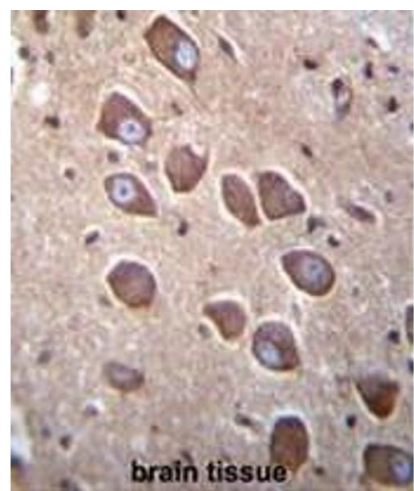
|               |              |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

|                    |  |
|--------------------|--|
| 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 freezing and thawing. |
|------------------|--------------------------------------|

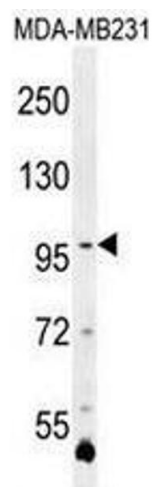
|          |             |
|----------|-------------|
| Storage: | 4 °C/-20 °C |
|----------|-------------|

|                  |   |
|------------------|---|
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |
|------------------|---|



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** PCDHA3 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCDHA3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

**Image 2.** PCDHA3 Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35µg/lane). This demonstrates the PCDHA3 antibody detected the PCDHA3 protein (arrow).