

Datasheet for ABIN657063  
**anti-PCDHA12 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 400 µL   |
| Target:              | PCDHA12  |
| Binding Specificity: | AA 166-194, N-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | This PCDHA12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 166-194 amino acids from the N-terminal region of human PCDHA12. |
| Clone:        | RB32533  |
| Isotype:      | Ig Fraction  |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | PCDHA12  |
| Alternative Name: | PCDHA12 ( <a href="#">PCDHA12 Products</a> )   |
| Background:       | 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 |

## Target Details

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.

Molecular Weight: 101652

NCBI Accession: [NP\\_061726](#), [NP\\_114070](#)

UniProt: [Q9UN75](#)

## Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

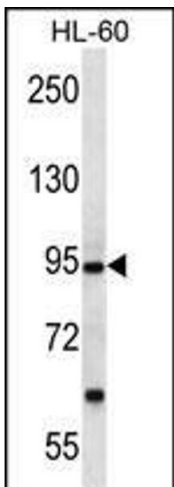
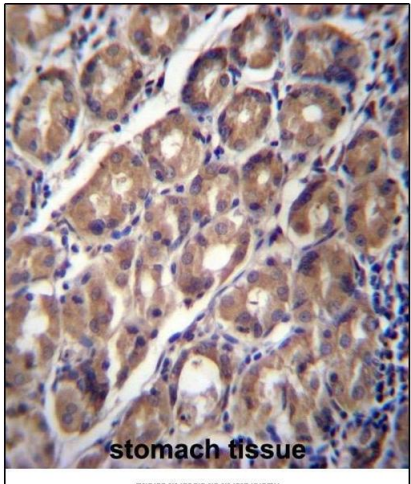
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** PCDHA12 Antibody (N-term) (ABIN657063 and ABIN2846227) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PCDHA12 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

**Image 2.** PCDHA12 Antibody (N-term) (ABIN657063 and ABIN2846227) western blot analysis in HL-60 cell line lysates (35 µg/lane). This demonstrates the PCDHA12 antibody detected the PCDHA12 protein (arrow).