

Datasheet for ABIN656093

**anti-PCDHB3 antibody (N-Term)****3** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	PCDHB3
Binding Specificity:	AA 12-39, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PCDHB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 12-39 amino acids from the N-terminal region of human PCDHB3.
Clone:	RB31977
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PCDHB3
Alternative Name:	PCDHB3 ( <a href="#">PCDHB3 Products</a> )

## Target Details

Background:	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.
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Gene ID:	56132
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NCBI Accession:	<a href="#">NP_061760</a>
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UniProt:	<a href="#">Q9Y5E6</a>
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## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:10~50
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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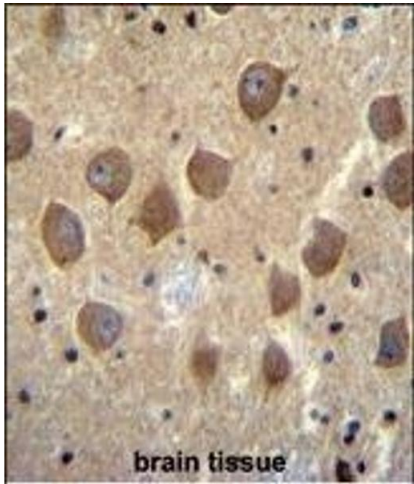
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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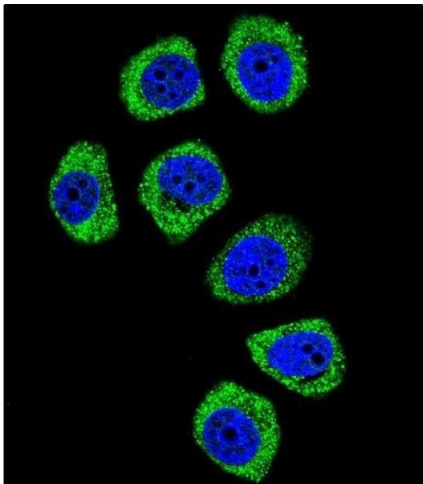
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
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Expiry Date:	6 months
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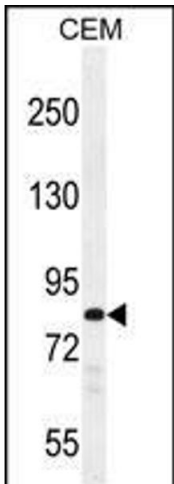
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** PCDHB3 Antibody (N-term) (ABIN656093 and ABIN2845436) 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 PCDHB3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**Immunofluorescence**

**Image 2.** Confocal immunofluorescent analysis of PCDHB3 Antibody (N-term) (ABIN656093 and ABIN2845436) with U-251MG cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**Western Blotting**

**Image 3.** PCDHB3 Antibody (N-term) (ABIN656093 and ABIN2845436) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the PCDHB3 antibody detected the PCDHB3 protein (arrow).