

Datasheet for ABIN954035  
**anti-PCDHA7 antibody (Middle Region)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.4 mL
Target:	PCDHA7
Binding Specificity:	AA 279-308, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDHA7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the central region (between 279-308 aa) of human PCDHA7.
Isotype:	Ig Fraction
Specificity:	This antibody detects human PCDHA7 (Center).
Cross-Reactivity (Details):	Species reactivity (tested): Human
Purification:	Purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PCDHA7
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## Target Details

Alternative Name: PCDHA7 ([PCDHA7 Products](#))

**Background:** The PCDHA7 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: CNRS4, PCDH-alpha-7, Protocadherin alpha-7

Gene ID: 56141

NCBI Accession: [NP\\_061733](#)

## 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 with 0.09 % (W/V) Sodium Azide.

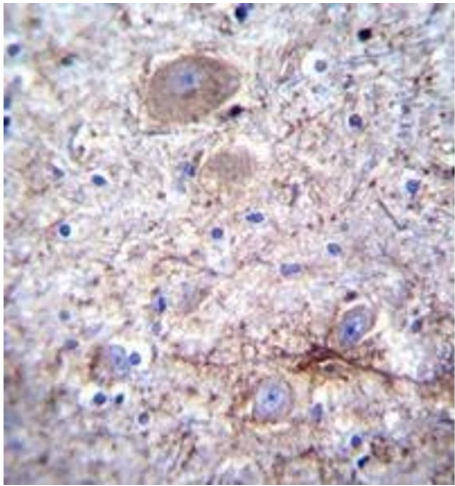
**Preservative:** Sodium azide

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

**Handling Advice:** Avoid repeated freezing and thawing.

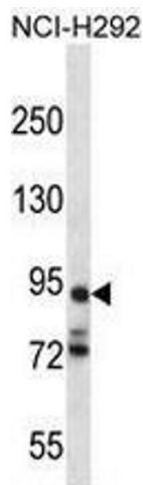
**Storage:** 4 °C/-20 °C

**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.** Immunohistochemistry analysis in formalin-fixed, paraffin-embedded human brain tissue using PCDHA7 Antibody , followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PCDHA7 antibody for immunohistochemistry. Clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis in NCI-H292 cell line lysates (35ug/lane) using PCDHA7 Antibody (Center).This demonstrates the PCDHA7 antibody detected the PCDHA7 protein (arrow).