

Datasheet for ABIN2782896  
**anti-PCDH12 antibody (Middle Region)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	PCDH12
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Guinea Pig, Horse, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDH12 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PCDH12
Sequence:	SSRPFLTTI VARDADSGAN GEPLYSIRSG NEAHLFILNP HTGQLFVNVT
Predicted Reactivity:	Cow: 85%, Dog: 92%, Guinea Pig: 85%, Horse: 86%, Human: 100%, Pig: 92%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against PCDH12. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PCDH12
Alternative Name:	PCDH12 ( <a href="#">PCDH12 Products</a> )

## Target Details

Background:	<p>PCDH12 belongs to the protocadherin protein family, a subfamily of the cadherin superfamily. It consists of an extracellular domain containing 6 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The function of this cellular adhesion protein is undetermined but mouse protocadherin 12 does not bind catenins and appears to have no affect on cell migration or growth. This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 6 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene localizes to the region on chromosome 5 where the protocadherin gene clusters reside. The exon organization of this transcript is similar to that of the gene cluster transcripts, notably the first large exon, but no significant sequence homology exists. The function of this cellular adhesion protein is undetermined but mouse protocadherin 12 does not bind catenins and appears to have no affect on cell migration or growth.</p> <p>Alias Symbols: VE-cadherin-2, VECAD2</p> <p>Protein Size: 1184</p>
Molecular Weight:	126 kDa
Gene ID:	51294
NCBI Accession:	<a href="#">NM_016580</a> , <a href="#">NP_057664</a>
UniProt:	<a href="#">Q9NPG4</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1184 AA
Restrictions:	For Research Use only

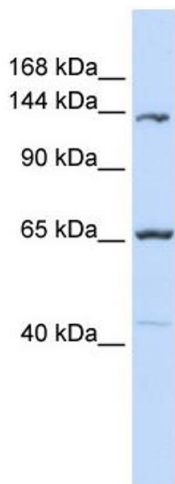
## Handling

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

## Handling

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-PCDH12 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: MCF7 cell lysate