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Datasheet for ABIN388148 anti-Cadherin 4 antibody (N-Term)

5 Images

1 Publication



Overview

Quantity:	400 µL
Target:	Cadherin 4 (CDH4)
Binding Specificity:	AA 175-203, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CDH4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-203 amino acids from the N-terminal region of human CDH4.
Clone:	RB13654
lsotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

Target:	Cadherin 4 (CDH4)
Alternative Name:	CDH4 (CDH4 Products)

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Target Details

adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane	
region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this	
cadherin is thought to play an important role during brain segmentation and neuronal	
outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular	
interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cel	ł
lines. Previously thought to interact in an exclusively homophilic manner, this is the first	
evidence of cadherin heterodimerization.	

Molecular Weight:	100281
Gene ID:	1002
NCBI Accession:	NP_001239267, NP_001239268, NP_001785
UniProt:	P55283
Pathways:	Cell-Cell Junction Organization, Regulation of Cell Size

Application Details

Application Notes:	IF: 1:10~50. WB: 1:2000. WB: 1:2000. IHC-P: 1:10~50. FC: 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
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.
Expiry Date:	6 months

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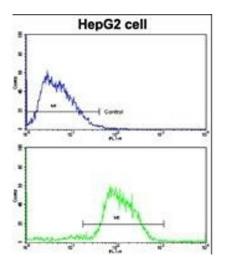
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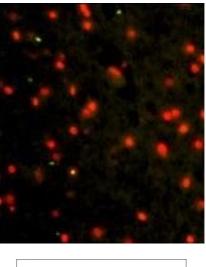
Images



Flow Cytometry

Image 1. Flow cytometric analysis of HepG2 cells using CDH4 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.

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Immunofluorescence

Image 2. Immunofluorescence analysis of CDH4 Antibody (N-term) Antibody with paraffin-embedded human brain tissue. 0.025 mg/mL primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.

Western Blotting

Image 3. All lanes : Anti-CDH4 Antibody (N-term) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 100 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the product details page for more images. Overall 5 images are available for ABIN388148.