

ARG40261 anti-PCDH8 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PCDH8
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PCDH8
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 450-750 of Human PCDH8 (NP_002581.2).
Conjugation	Un-conjugated
Alternate Names	ARCADLIN; Arcadlin; Protocadherin-8; PAPC

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-251MG, Mouse brain and Rat brain	
Observed Size	~ 110 kDa	

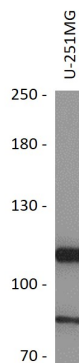
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

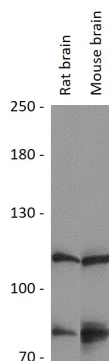
Gene Symbol	PCDH8
Gene Full Name	protocadherin 8
Background	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes an integral membrane protein that is thought to function in cell adhesion in a CNS-specific manner. Unlike classical cadherins, which are generally encoded by 15-17 exons, this gene includes only 3 exons. Notable is the large first exon encoding the extracellular region, including 6 cadherin domains and a transmembrane region. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]
Function	Calcium-dependent cell-adhesion protein (By similarity). May play a role in activity-induced synaptic reorganization underlying long term memory (By similarity). Could be involved in CDH2 internalization through TAOK2/p38 MAPK pathway. In hippocampal neurons, may play a role in the down-regulation of dendritic spines, maybe through its action on CDH2 endocytosis (By similarity). [UniProt]
Calculated Mw	113 kDa
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Cell projection, dendrite. Cell junction, synapse, presynaptic cell membrane. Cell junction, synapse, postsynaptic cell membrane. Note=Also expressed in neuronal cell bodies. Localized to excitatory, but not with inhibitory, synapses. [UniProt]

Images



ARG40261 anti-PCDH8 antibody WB image

Western blot: 25 µg of U-251MG cell lysate stained with ARG40261 anti-PCDH8 antibody at 1:1000 dilution.



ARG40261 anti-PCDH8 antibody WB image

Western blot: 25 µg of Rat brain and Mouse brain lysates stained with ARG40261 anti-PCDH8 antibody at 1:1000 dilution.