

PCDHGA8 Polyclonal Antibody

Catalog NumberPA5-35090

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:50
Type	Antibody	Western Blot (WB)	1:1,000
Immunogen	KLH conjugated synthetic peptide between 781-808 amino acids from the C-terminal region of human PCDHGA8	Immunocytochemistry (ICC/IF)	1:10-1:50
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.25 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.

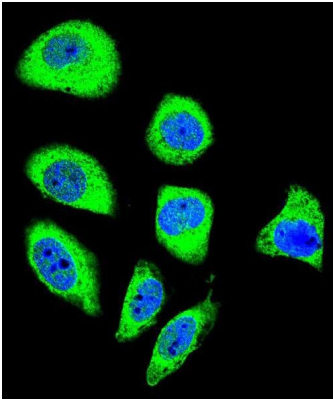
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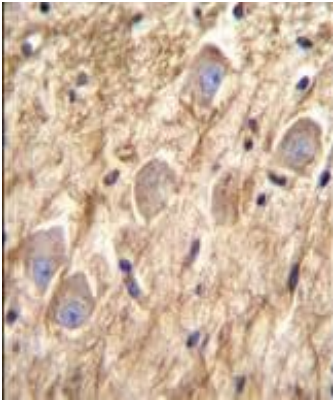
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Product Images For PCDHGA8 Polyclonal Antibody



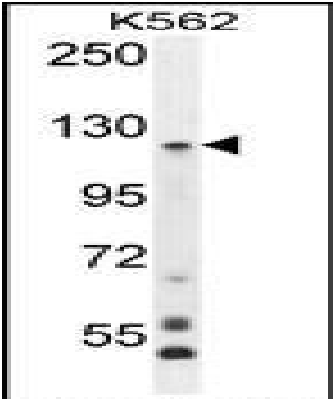
PCDHGA8 Antibody (PA5-35090) in ICC/IF

Immunofluorescent analysis of PCDHGA8 in U-251 cells using a PCDHGA8 polyclonal antibody (Product # PA5-35090) followed by detection using a fluorescent conjugated secondary antibody (green). Nuclei were stained with Dapi (blue).



PCDHGA8 Antibody (PA5-35090) in IHC (P)

Immunohistochemistry analysis of PCDHGA8 in formalin-fixed, paraffin-embedded human brain tissue using a PCDHGA8 polyclonal antibody (Product # PA5-35090) followed by peroxidase conjugation of the secondary antibody and DAB staining.



PCDHGA8 Antibody (PA5-35090) in WB

Western blot analysis of PCDHGA8 in K562 cell lysate (35 µg/lane) using a PCDHGA8 polyclonal antibody (Product # PA5-35090).

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