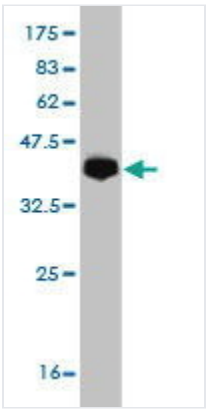
PCDH19 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PCDH19, Monoclonal Antibody
Full Product Name	PCDH19 (Protocadherin-19, DKFZp686P1843, KIAA1313) (FITC)
Product Gene Name	anti-PCDH19 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2G10
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PCDH19.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	300088
3D Structure	ModBase 3D Structure for Q8TAB3
Immunogen	Partial recombinant corresponding to aa241-341 from human PCDH19 (NP_065817) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RLVPRDVEETDKMNVVSCSSLTSSLNYFDYHQQTLPLGCRRSESTFLNVENQNTRNTSANHIYHHSFNSQGPQQPDLIINGAPLPETENYSFDSNYVNSR
Conjugate	FITC
Product Categories/Family for anti-PCDH19 antibody	Antibodies; Cadherin
Applications Tested/Suitable for anti-PCDH19 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-PCDH19 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PCDH19 antibody	MBS6148701 is an antibody targeting PCDH19. Also known as PCDH19 (Protocadherin-19, DKFZp686P1843, KIAA1313) (FITC). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-PCDH19 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PCDH19 antibody
Western Blot detection against Immunogen (37.11kD).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDH19. It may not necessarily be applicable to this product.

NCBI GI #	157426845
NCBI Accession #	NP_065817
UniProt Primary Accession #	Q8TAB3
GenBank Nucleotide #	NM_020766
NCBI Official Full Name	protocadherin-19 isoform b
UniProt Protein Name	Protocadherin-19
Protein Family	Protocadherin
UniProt Gene Name	PCDH19
UniProt Synonym Gene Names	KIAA1313
UniProt Entry Name	PCD19_HUMAN

UniProt Comments for PCDH19	Function: Potential calcium-dependent cell-adhesion protein. Subcellular location: Cell membrane; Single-pass type I membrane protein By similarity. Tissue specificity: Moderately expressed in all regions of the brain examined, with lowest levels found in the cerebellum. Moderate expression is also found in ovary, and low expression in all other tissues tested. Also detected in primary skin fibroblast. Ref.1 Ref.5 Developmental stage: Expressed in developing cortical plate, amygdala and subcortical regions and in the ganglionic eminence. Ref.1 Involvement in disease: Epileptic encephalopathy, early infantile, 9 (EIEE9) [MIM:300088]: A condition characterized by seizure with onset in infancy or early childhood, cognitive impairment, and delayed development of variable severity in some patients. Additional features include autistic signs and psychosis. The disorder is sex-limited, with the phenotype being restricted to females.Note: The disease is caused by mutations affecting the gene represented in this entry. Ref.1 Ref.6 Ref.7 Ref.8 Ref.9 Ref.10 Ref.11 Ref.12 Ref.13 Ref.14 Sequence similarities: Contains 6 cadherin domains. Sequence caution: The sequence CAH18133.1 differs from that shown. Reason: Erroneous initiation. Translation N-terminally extended.The sequence CAI41393.1 differs from that shown. Reason: Erroneous initiation. Translation N-terminally extended.The sequence CAI41394.1 differs from that shown. Reason: Erroneous initiation. Translation N-terminally extended.
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