

Product datasheet for **TA338448**

PCDHB16 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PCDHB16 antibody: synthetic peptide directed towards the middle region of human PCDHB16. Synthetic peptide located within the following region: IPENSPLGSLVATVSARDLDGGANGKISYTLFQPSEDISKLTLEVNPMGTGE
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa
Gene Name:	protocadherin beta 16
Database Link:	NP_066008 Entrez Gene 57717 Human Q9NRJ7



[View online »](#)

Background:

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

Synonyms:

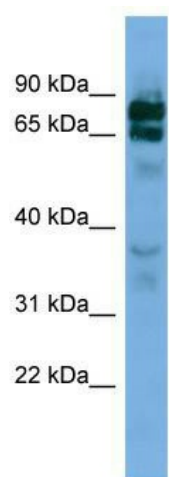
ME1; PCDH-BETA16; PCDH3X; PCDHB8a

Note:

Immunogen Sequence Homology: Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rat: 92%

Protein Families:

Druggable Genome, Transmembrane

Product images:

WB Suggested Anti-PCDHB16 Antibody Titration:
0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive
Control: Jurkat cell lysate