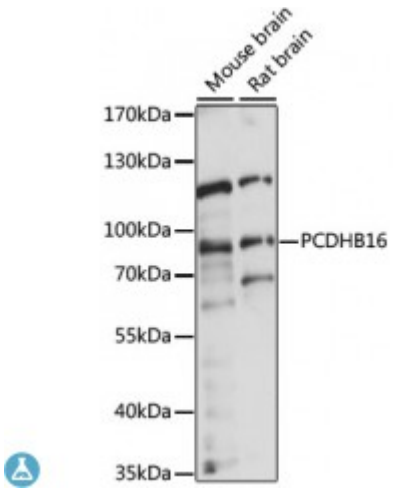
Anti-PCDHB16 Antibody



Description	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.

Model	STJ117688
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 29-90 of human PCDHB16 (NP_066008.2).
Gene ID	57717
Gene Symbol	PCDHB16
Dilution range	WB 1:200 - 1:2000
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Protocadherin beta-16 PCDH-beta-16 Protocadherin-3X
Molecular Weight	84.983 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:14546OMIM:604967
Alternative Names	Protocadherin beta-16 PCDH-beta-16 Protocadherin-3X
Function	Potential calcium-dependent cell-adhesion protein, May be involved in the establishment and maintenance of specific neuronal connections in the brain
Cellular Localization	Membrane

St John's Laboratory Ltd
F +44 (0)207 681 2580
T +44 (0)208 223 3081
W http://www.stjohnslabs.com/
E info@stjohnslabs.com