



Rabbit Anti-PCDH11Y + PCDH11X antibody

SL11108R

Product Name:	PCDH11Y + PCDH11X
Chinese Name:	原钙粘附蛋白11Y/11X抗体
Alias:	PCDH 11; PCDH 11X; PCDH 11Y; PCDH 22; PCDH PC; PCDH Y; PCDH11; PCDH11X; PCDH22; PCDHY; Protocadherin 11; Protocadherin 11 X linked; Protocadherin 11 Y linked; Protocadherin 22; Protocadherin on the Y chromosome; Protocadherin PC; Protocadherin prostate cancer; Protocadherin Y; Protocadherin11; Protocadherin22; ProtocadherinY; PC11Y_HUMAN; PCDH11; PCDH22; PCDHX; PCDHY; Protocadherin 11; Protocadherin 11 X linked; Protocadherin 11 Y linked; Protocadherin 22; Protocadherin on the X chromosome; Protocadherin on the Y chromosome; Protocadherin PC; Protocadherin prostate cancer; PC11X_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	144kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PCDH11Y:81-180/1340<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing 7 cadherin repeats, a transmembrane domain and a cytoplasmic tail that differs from those of the classical cadherins. The gene is located in a major X/Y block of homology and its Y homolog, despite divergence leading to coding region changes, is the most closely related cadherin family member. The protein is thought to play a fundamental role in cell-cell recognition essential for the segmental development and function of the central nervous system. Transcripts arising from alternative splicing encode isoforms with variable cytoplasmic domains. [provided by RefSeq, Jul 2008].

Function:

PCDH11Y (Protocadherin 11 Y-linked) is a member of the protocadherin family. Protocadherins constitute the largest subgroup within the cadherin family of calcium-dependent cell-cell adhesion molecules. Their specific functions are unknown but they may be involved in the establishment and function of specific neuronal connections in the brain. The PCDH11Y gene is located in a major X/Y block of homology and its most closely related cadherin superfamily member is located in this homologous region on the X chromosome (PCDH11X).

Subunit:

Interacts with CTNNB1.

Product Detail:**Subcellular Location:**

Cell membrane; Single-pass type I membrane protein.

Tissue Specificity:

Expressed strongly in fetal brain and brain (cortex, amygdala, thalamus, substantia nigra, hippocampus, caudate nucleus and corpus callosum). Expressed at low level in testis. Expressed in apoptosis-resistant cells.

DISEASE:

Note=A chromosomal aberration involving PCDH11Y is a cause of multiple congenital abnormalities, including severe bilateral vesicoureteral reflux (VUR) with ureterovesical junction defects. Translocation t(Y;3)(p11;p12) with ROBO2.

Similarity:

Contains 7 cadherin domains.

SWISS:

Q9BZA7

Q9BZA8

Gene ID:

27328

83259

Database links:

[Entrez Gene: 27328](#)Human

[Entrez Gene: 83259](#)Human

[Omir: 300246](#)Human

[Omir: 400022](#)Human

[SwissProt: Q9BZA7](#)Human

[SwissProt: Q9BZA8](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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