



Protocadherin-11 Polyclonal Antibody

Catalog No	YP-Ab-17068
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	PCDH11X/PCDH11Y
Immunogen	The antiserum was produced against synthesized peptide derived from human PCDH-X/Y. AA range:531-580
Specificity	Protocadherin-11 Polyclonal Antibody detects endogenous levels of Protocadherin-11 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PCDH PC;PCDH Y;PCDH11;PCDH11X;PCDH11Y;PCDH22;PCDHY; Protocadherin 11;protocadherin 11 Y linked;Protocadherin 22;Protocadherin PC; Protocadherin prostate cancer;Protocadherin-11;PCDH11X/PCDH11Y; Protocadherin-11 X/Y-linked;Protocadherin-11 Y-linked;Protocadherin on the Y chromosome;PCDH-Y;Protocadherin-PC;Protocadherin-22;KIAA1326;PCDHX; Protocadherin-11 X-
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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.
Function	alternative products:Additional isoforms seem to exist,disease: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.,function:Potential calcium-



dependent cell-adhesion protein.,similarity:Contains 7 cadherin domains.,
subunit:Interacts with CTNNB1.,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.,

Background

This gene belongs to the protocadherin family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing seven cadherin repeats, a transmembrane domain, and a cytoplasmic tail that differs from those of the classical cadherins. This gene is located on the Y chromosome in a block of X/Y homology and is very closely related to its paralog on the X chromosome. The protein is thought to play a role in cell-cell recognition during development of the central nervous system. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013],

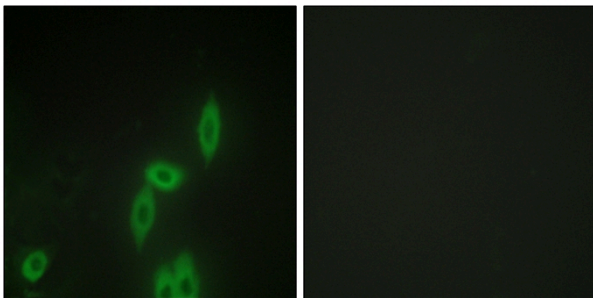
matters needing attention

Avoid repeated freezing and thawing!

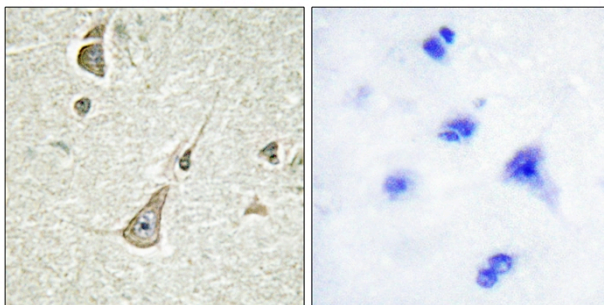
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of HepG2 cells, using PCDH-X/Y Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PCDH-X/Y Antibody. The picture on the right is blocked with the synthesized peptide.