

## Protocadherin-11 Polyclonal Antibody

<b>Catalog No :</b>	YT3863
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	IHC;IF;ELISA
<b>Target :</b>	Protocadherin-11
<b>Gene Name :</b>	PCDH11X/PCDH11Y
<b>Protein Name :</b>	Protocadherin-11 X/Y-linked
<b>Human Gene Id :</b>	83259/27328
<b>Human Swiss Prot No :</b>	Q9BZA8/Q9BZA7
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PCDH-X/Y. AA range:531-580
<b>Specificity :</b>	Protocadherin-11 Polyclonal Antibody detects endogenous levels of Protocadherin-11 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	147kD

## 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],

## 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.,

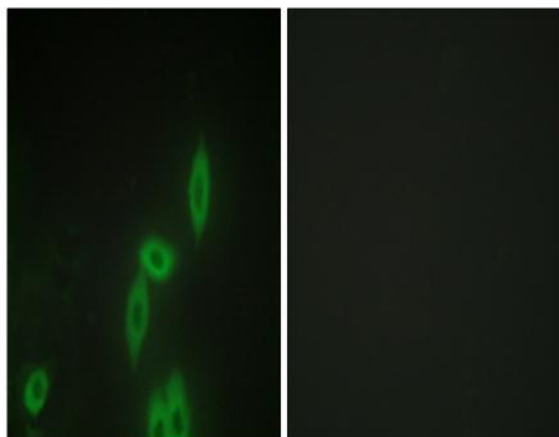
## Subcellular Location :

Cell membrane ; Single-pass type I membrane protein .

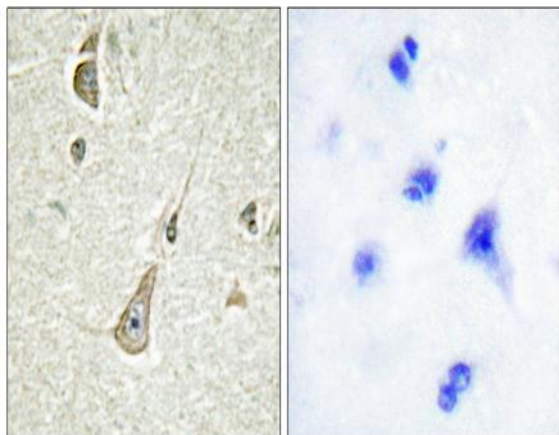
## Expression :

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.

## 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.