

### **Protocadherin-11 Polyclonal Antibody**

Catalog No: YT3863

Reactivity: Human

**Applications:** IHC;IF;ELISA

Target: Protocadherin-11

Gene Name: PCDH11X/PCDH11Y

Protein Name: Protocadherin-11 X/Y-linked

**Human Gene Id:** 83259/27328

**Human Swiss Prot** 

No:

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.

Q9BZA8/Q9BZA7

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other

applications.

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 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.,

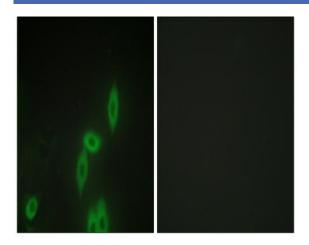
# Subcellular Location :

Cell membrane; Single-pass type I membrane protein.

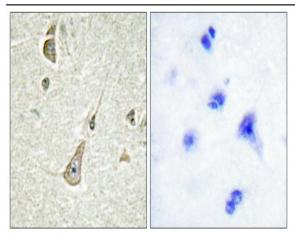
## **Expression:**

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.