

P2RY13 Polyclonal Antibody

Catalog No: YT3503

Reactivity: Human;Rat

Applications: IHC;IF;WB;ELISA

Target: P2RY13

Fields: >>Neuroactive ligand-receptor interaction

Q9BPV8

Q9D8I2

Gene Name: P2RY13

Protein Name: P2Y purinoceptor 13

Human Gene Id: 53829

Human Swiss Prot

iuman Swiss From

No:

Mouse Swiss Prot

No:

Rat Gene Id: 310444

Rat Swiss Prot No: Q6GUG4

Immunogen: The antiserum was produced against synthesized peptide derived from human

P2RY13. AA range:209-258

Specificity: P2RY13 Polyclonal Antibody detects endogenous levels of P2RY13 protein.

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

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. 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

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

Observed Band: 38kD

Neuroactive ligand-receptor interaction; **Cell Pathway:**

The product of this gene belongs to the family of G-protein coupled receptors. **Background:**

This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is activated by ADP. [provided by RefSeg, Sep 2008].

Function: function: Receptor for ADP. Coupled to G(i)-proteins. May play a role in

> hematopoiesis and the immune system., miscellaneous: Stimulation by ADP in stably transfected CHO cells resulted in inhibition of adenylyl cyclase and the phosphorylation of the MAP kinases MAPK3 and MAPK1 in a pertussis toxinsensitive way. Inhibition of adenylyl cyclase and phosphorylation of the MAP kinases are transduction mechanisms that involve G(i) proteins., sequence caution: Contaminating sequence. Potential poly-A sequence., similarity: Belongs to the G-protein coupled receptor 1 family., tissue specificity: Strong expression in spleen and adult brain. Lower expression in placenta, lung, liver, spinal cord, thymus, small intestine, uterus, stomach, testis, fetal brain, and adrenal gland. Not detected in pancreas, heart, kidney, skeletal muscle, ovary or fetal aorta.

Clearly detected in lymph node and bone marrow, w

Subcellular Location:

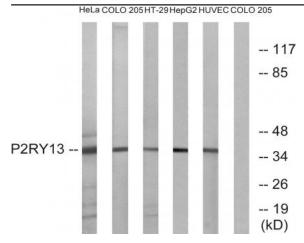
Cell membrane; Multi-pass membrane protein.

Expression:

Strong expression in spleen and adult brain. Lower expression in placenta, lung, liver, spinal cord, thymus, small intestine, uterus, stomach, testis, fetal brain, and adrenal gland. Not detected in pancreas, heart, kidney, skeletal muscle, ovary or fetal aorta. Clearly detected in lymph node and bone marrow, weakly detected in peripheral blood mononuclear cells (PBMC) and in peripheral blood leukocytes (PBL), but not detected in polymorphonuclear cells (PMN). In the brain, detected

in all brain regions examined.

Products Images



Western blot analysis of lysates from HeLa, COLO, HT-29, HepG2, and HUVEC cells, using P2RY13 Antibody. The lane on the right is blocked with the synthesized peptide.