

Product datasheet for **AP05305PU-N**

GPR86 (P2RY13) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot (1:400 starting dilution).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from human GPCR94
Specificity:	This antibody detects P2Y13.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the product (in aliquots) at -20 °C. Can be shipped at 2 - 8 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	purinergic receptor P2Y13
Database Link:	Entrez Gene 53829 Human Q9BPV8



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Background:

Receptor for ADP. Coupled to G(i)-proteins. May play a role in hematopoiesis and the immune system. 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. 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 toxin-sensitive way. Inhibition of adenylyl cyclase and phosphorylation of the MAP kinases are transduction mechanisms that involve G(i) proteins.

Synonyms:

P2Y purinoceptor 13, Purinergic receptor, GPR86, GPR94, FKSG77, G-protein coupled receptor 86, G-protein coupled receptor 94