

P2Y2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58129

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P41231
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42273
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human P2Y2R
Epitope Specificity	21-120/377
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane; Multi-pass membrane protein.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is responsive to both adenosine and uridine nucleotides. It may participate in control of the cell cycle of endometrial carcinoma cells. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq].

Additional Information

Gene ID	5029
Other Names	P2Y purinoceptor 2, P2Y2, ATP receptor, P2U purinoceptor 1, P2U1, P2U receptor 1, Purinergic receptor, P2RY2, P2RU1
Target/Specificity	Spleen, testis, kidney, liver, lung, heart and brain.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	P2RY2
Synonyms	P2RU1
Function	Receptor for ATP and UTP coupled to G-proteins that activate a phosphatidylinositol-calcium second messenger system. The affinity range is UTP = ATP > ATP-gamma-S >> 2-methylthio-ATP = ADP.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Spleen, testis, kidney, liver, lung, heart and brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.