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P2Y6 Rabbit mAb

Catalog # AP74869

Product Information

Application	WB, IHC-P, IP
Primary Accession	Q15077
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	36429

Additional Information

Gene ID	5031
Other Names	P2RY6
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IP~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

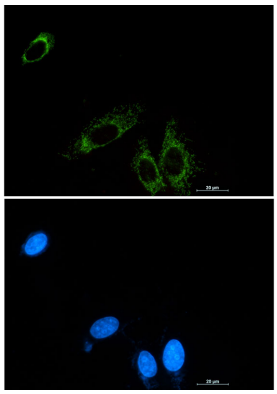
Name	P2RY6
Function	Receptor for extracellular UDP > UTP > ATP. The activity of this receptor is mediated by G proteins which activate a phosphatidylinositol-calcium second messenger system.
Cellular Location	Cell membrane; Multi-pass membrane protein.

Background

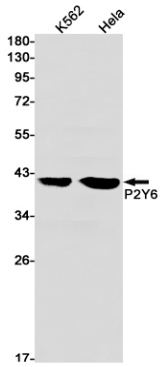
The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor, which is a G-protein coupled receptor, is responsive to UDP, partially responsive to UTP and ADP, and not responsive to ATP. It is proposed that this

receptor mediates inflammatory responses. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

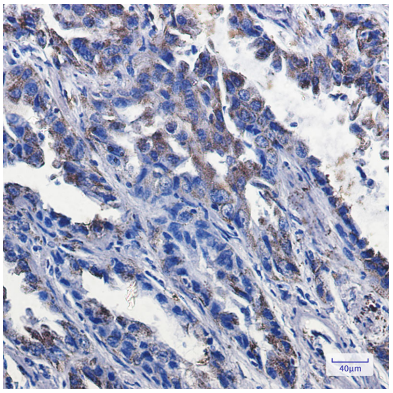
Images



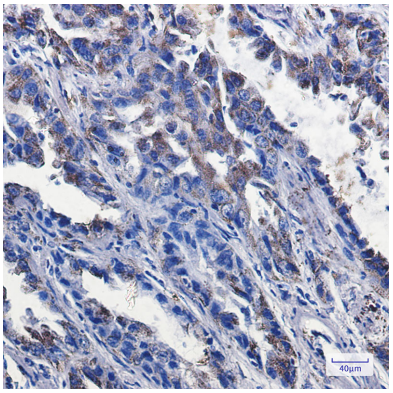
Immunocytochemistry analysis of P2Y6 (green) in A549 using P2Y6 antibody,and DAPI(blue).



Western blot analysis of P2Y6 in K562, Hela lysates using P2Y6 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue using P2Y6 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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