

# P2Y6 Rabbit mAb

Catalog # AP74869

## Product Information

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<b>Application</b>	WB, IHC-P, IP
<b>Primary Accession</b>	<a href="#">Q15077</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	36429

## Additional Information

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

## Protein Information

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

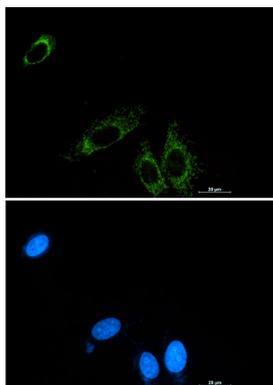
## Background

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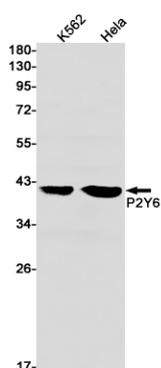
The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in 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.

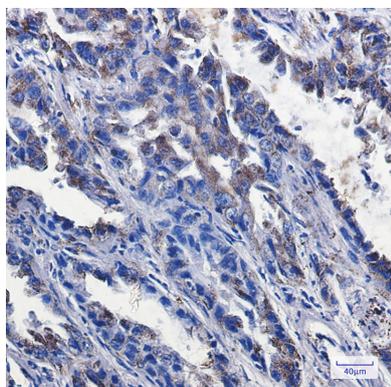
## Images



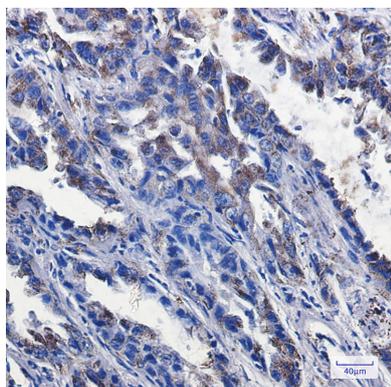
Immunocytochemistry analysis of P2Y6 (green) in A549 using P2Y6 antibody, and DAPI (blue).



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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