

Anti-P2Y1 Antibody

Catalog # AP95986

Product Information

Application	WB, IHC, FC
Primary Accession	P47900
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	42072

Additional Information

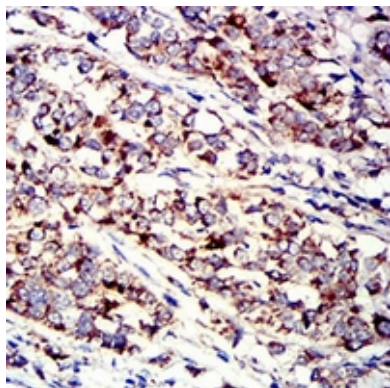
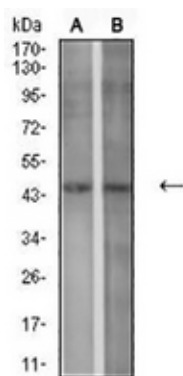
Gene ID	5028
Other Names	P2Y purinoceptor 1; P2Y1; ATP receptor; Purinergic receptor
Target/Specificity	Recombinant fusion protein of human P2Y1 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

Protein Information

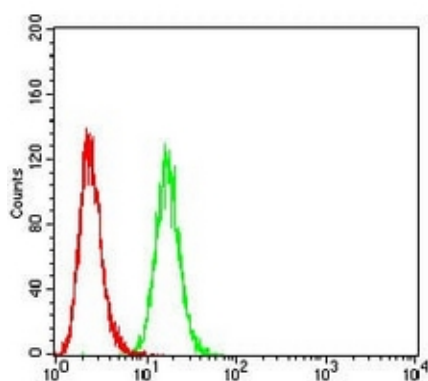
Name	P2RY1
Function	Receptor for extracellular adenine nucleotides such as ADP (PubMed: 25822790 , PubMed: 9038354 , PubMed: 9442040). In platelets, binding to ADP leads to mobilization of intracellular calcium ions via activation of phospholipase C, a change in platelet shape, and ultimately platelet aggregation (PubMed: 9442040).
Cellular Location	Cell membrane; Multi-pass membrane protein

Images

Western blot analysis of P2Y1 expression in SPCA1 (A), C6 (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 45 kD)



Immunohistochemical analysis of P2Y1 staining in human bladder cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HeLa cells using Anti-P2Y1 Antibody (green) and negative control (red).

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