10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

P2RY1

Purified Mouse Monoclonal Antibody
Catalog # AO2649a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P47900
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Clone Names	4G5D6
Isotype	Mouse IgG2b
Calculated MW	42072
Immunogen	Purified recombinant fragment of human P2RY1 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	5028
Other Names	P2Y1
Dilution	WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~N/A E~~ 1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	P2RY1 is for research use only and not for use in diagnostic or therapeutic procedures.

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

References

1.Nature. 2015 Apr 16;520(7547):317-21.2.Biochem Pharmacol. 2011 Aug 15;82(4):418-25.

Images

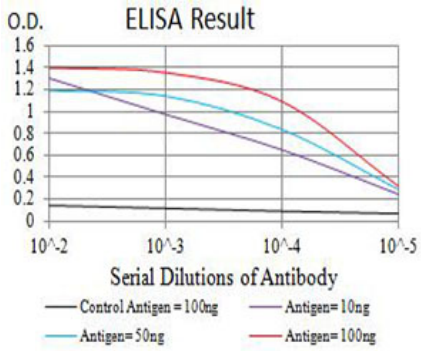


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

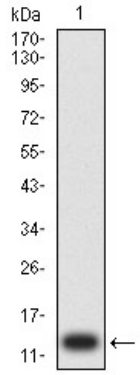


Figure 2:Western blot analysis using P2RY1 mAb against human P2RY1 (AA: extra mix) recombinant protein. (Expected MW is 13 kDa)

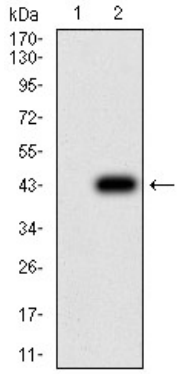


Figure 3:Western blot analysis using P2RY1 mAb against HEK293 (1) and P2RY1 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

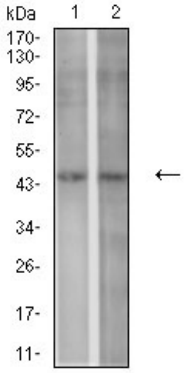
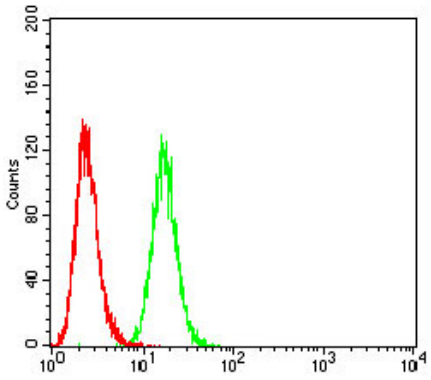


Figure 4:Western blot analysis using P2RY1 mouse mAb against SPC-A-1 (1) and C6 (2) cell lysate.

Figure 5:Flow cytometric analysis of Hela cells using P2RY1 mouse mAb (green) and negative control (red).



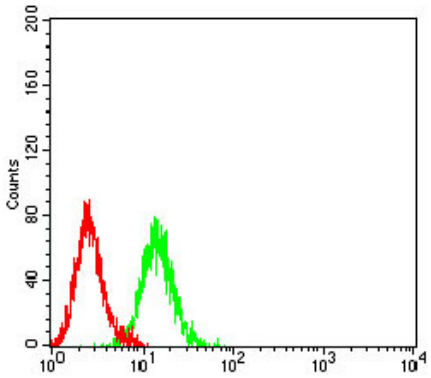


Figure 6:Flow cytometric analysis of K562 cells using P2RY1 mouse mAb (green) and negative control (red).

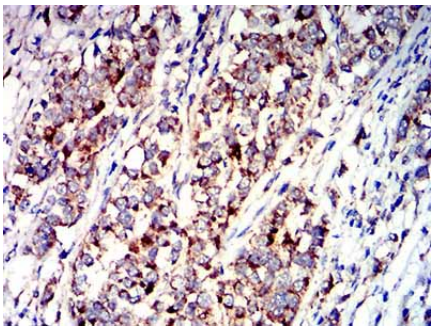


Figure 7:Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using P2RY1 mouse mAb with DAB staining.

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