

P2RY1
Purified Mouse Monoclonal Antibody
Catalog # AO2649a**Specification**

P2RY1 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	P47900
Reactivity	Human, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	42kDa KDa

Immunogen

Purified recombinant fragment of human P2RY1 (AA: extra mix) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

P2RY1 - Additional Information

Gene ID 5028

Other Names

P2Y1

Dilution

WB~~ 1/500 - 1/2000

IHC~~ 1/200 - 1/1000

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.

P2RY1 - Protein Information

Name P2RY1

Function

Receptor for extracellular adenine nucleotides such as ADP (PubMed:25822790, PubMed:9038354, PubMed:<a

[9442040](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/9442040)).

Cellular Location

Cell membrane; Multi-pass membrane protein

P2RY1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

P2RY1 - Images

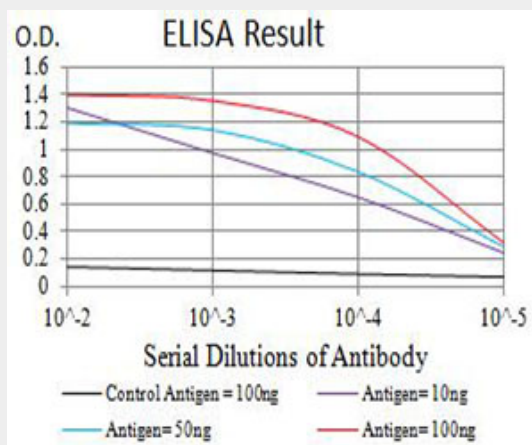


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

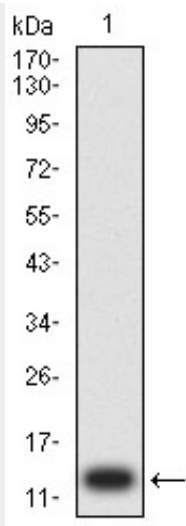


Figure 2: Western blot analysis using P2RY1 mAb against human P2RY1 (AA: extra mix) recombinant protein. (Expected MW is 13 kDa)

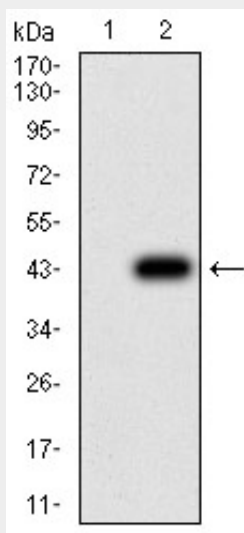


Figure 3: Western blot analysis using P2RY1 mAb against HEK293 (1) and P2RY1 (AA: extra mix)-hlgGfc transfected HEK293 (2) cell lysate.

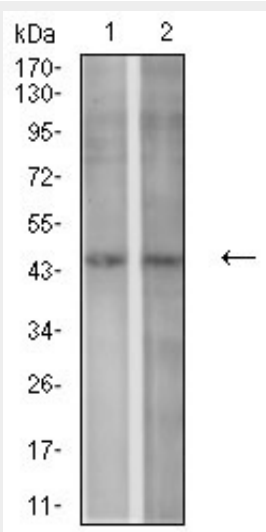


Figure 4: Western blot analysis using P2RY1 mouse mAb against SPC-A-1 (1) and C6 (2) cell lysate.

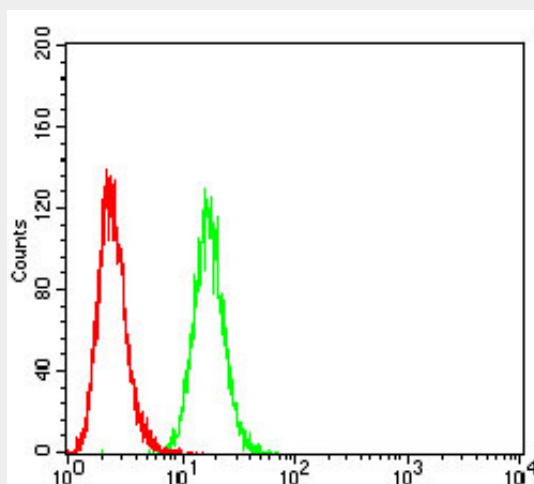


Figure 5: Flow cytometric analysis of Hela cells using P2RY1 mouse mAb (green) and negative control (red).

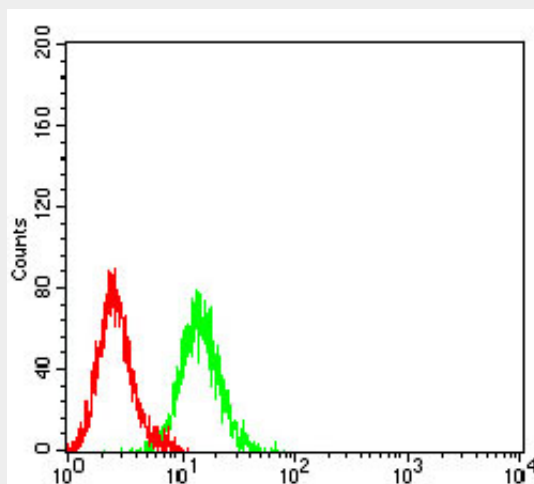


Figure 6: Flow cytometric analysis of K562 cells using P2RY1 mouse mAb (green) and negative control (red).

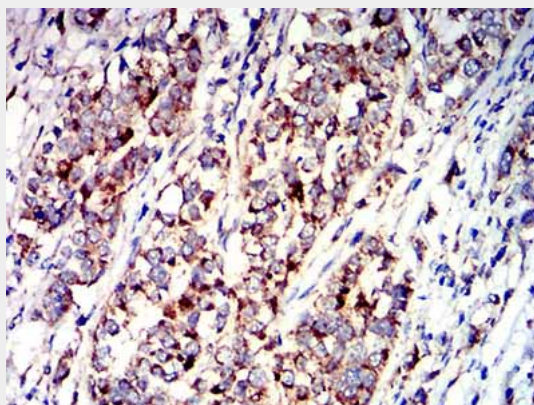


Figure 7: Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using P2RY1 mouse mAb with DAB staining.

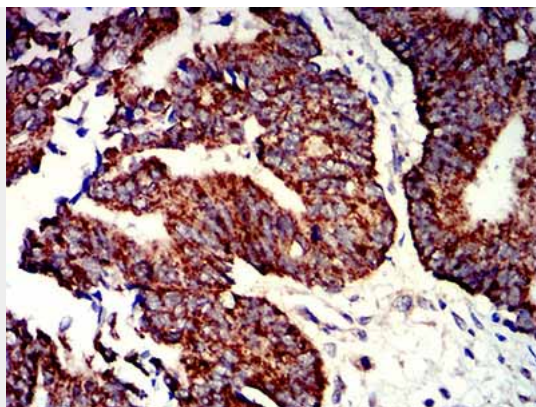


Figure 8:Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using P2RY1 mouse mAb with DAB staining.

P2RY1 - References

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