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P2RY12

Purified Mouse Monoclonal Antibody
Catalog # AO2679a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	Q9H244
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	1C2A9
Isotype	Mouse IgG1
Calculated MW	39439
Immunogen	Purified recombinant fragment of human P2RY12 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	64805
Other Names	HORK3; P2Y12; ADPG-R; BDPLT8; SP1999; P2T(AC); P2Y(AC); P2Y(12)R; P2Y(ADP); P2Y(cyc)
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	P2RY12 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	P2RY12
Synonyms	HORK3
Function	Receptor for ADP and ATP coupled to G proteins that inhibit the adenylyl cyclase second messenger system. Not activated by UDP and UTP. Required for normal platelet aggregation and blood coagulation.
Cellular Location	Cell membrane; Multi-pass membrane protein

Tissue Location	Highly expressed in the platelets, lower levels in the brain. Lowest levels in the lung, appendix, pituitary and adrenal gland. Expressed in the spinal cord and in the fetal brain

References

1.BMC Cancer. 2015 Sep 9;15:627. 2.Blood. 2015 Feb 5;125(6):1006-13.

Images

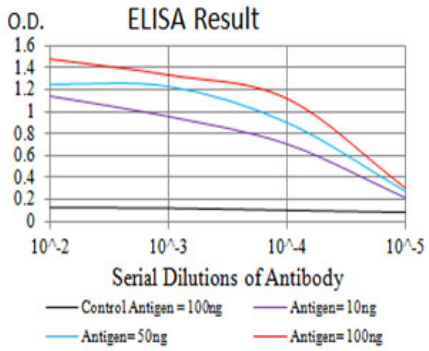


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

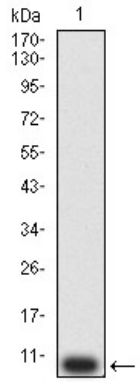


Figure 2:Western blot analysis using P2RY12 mAb against human P2RY12 (AA: extra mix) recombinant protein. (Expected MW is 9.4 kDa)

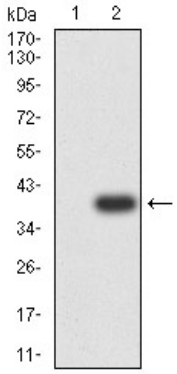
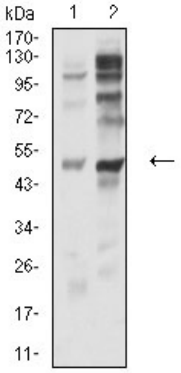


Figure 3:Western blot analysis using P2RY12 mAb against HEK293 (1) and P2RY12 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Western blot analysis using P2RY12 mouse mAb against PC-3 (1) and C6 (2) cell lysate.



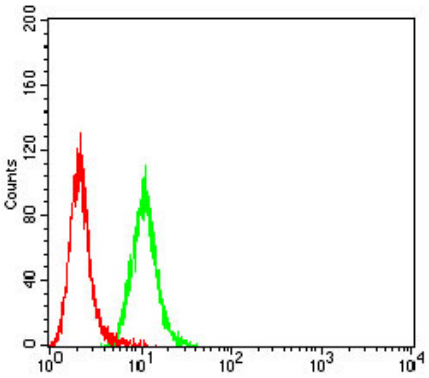


Figure 5:Flow cytometric analysis of Hela cells using P2RY12 mouse mAb (green) and negative control (red).

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