

P2RY12
Purified Mouse Monoclonal Antibody
Catalog # AO2679a**Specification**

P2RY12 - Product Information

Application	E, WB
Primary Accession	Q9H244
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	39.4kDa KDa

Immunogen

Purified recombinant fragment of human P2RY12 (AA: extra mix) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

P2RY12 - 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

E~~ 1/10000

WB~~ 1/500 - 1/2000

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.

P2RY12 - 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

P2RY12 - 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](#)

P2RY12 - Images

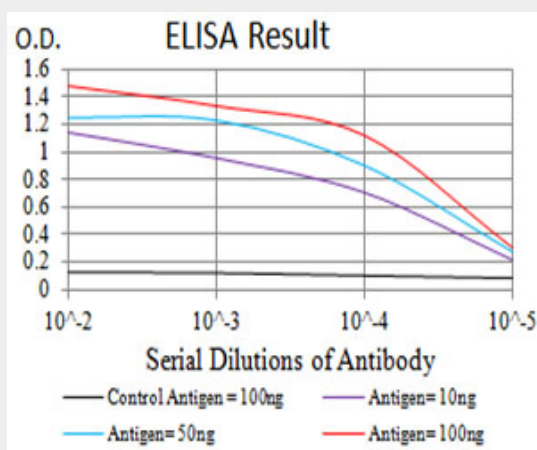


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

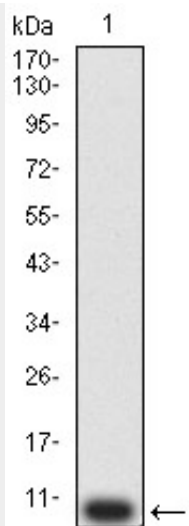


Figure 2: Western blot analysis using P2RY12 mAb against human P2RY12 (AA: extra mix) recombinant protein. (Expected MW is 9.4 kDa)

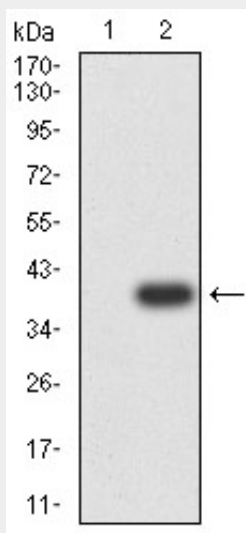


Figure 3: Western blot analysis using P2RY12 mAb against HEK293 (1) and P2RY12 (AA: extra mix)-hlgGfC transfected HEK293 (2) cell lysate.

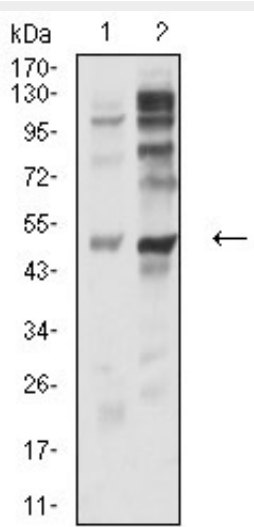


Figure 4: Western blot analysis using P2RY12 mouse mAb against PC-3 (1) and C6 (2) cell lysate.

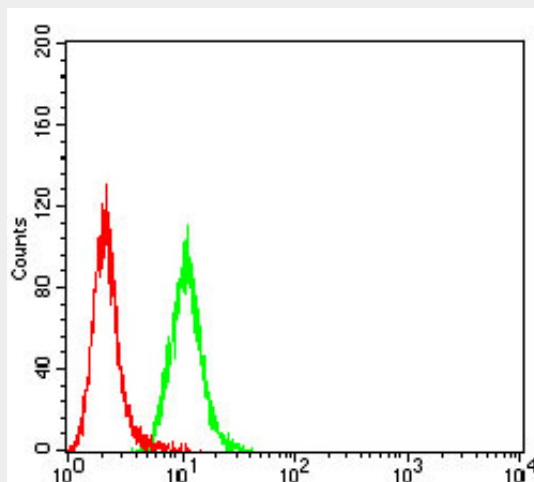


Figure 5: Flow cytometric analysis of Hela cells using P2RY12 mouse mAb (green) and negative control (red).

P2RY12 - References

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