

P2RY4

Purified Mouse Monoclonal Antibody
Catalog # AO2658a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P51582
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3B4H6
Isotype	Mouse IgG1
Calculated MW	40963
Immunogen	Purified recombinant fragment of human P2RY4 (AA: extra mix) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	5030
Other Names	NRU; P2P; UNR; P2Y4
Dilution	WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~ 1/100 - 1/500 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	P2RY4 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	P2RY4
Synonyms	NRU
Function	Receptor for UTP and UDP coupled to G proteins that activate a phosphatidylinositol-calcium second messenger system. Not activated by ATP or ADP.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Pancreas.

References

1.Arch Biochem Biophys. 2010 Feb 1;494(1):7-14.2.Biochim Biophys Acta. 2009 Dec;1790(12):1651-9.

Images

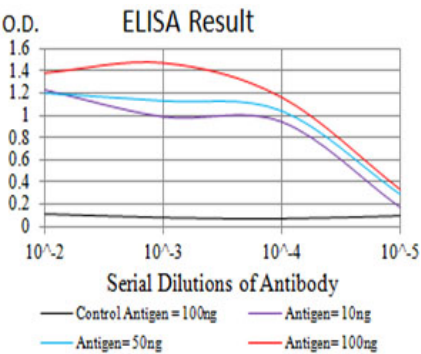


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

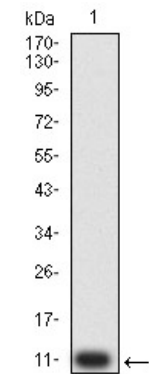


Figure 2:Western blot analysis using P2RY4 mAb against human P2RY4 (AA: extra mix) recombinant protein. (Expected MW is 10.1 kDa)

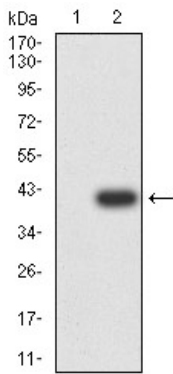


Figure 3:Western blot analysis using P2RY4 mAb against HEK293 (1) and P2RY4 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

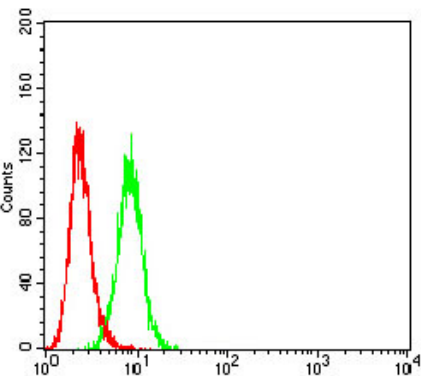


Figure 5:Flow cytometric analysis of HeLa cells using P2RY4 mouse mAb (green) and negative control (red).

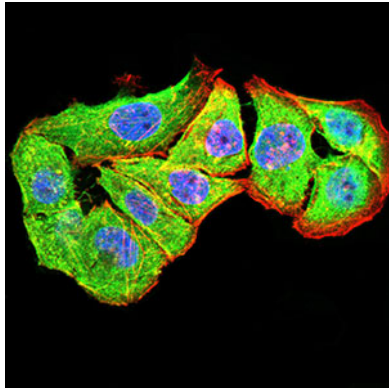


Figure 4: Immunofluorescence analysis of HeLa cells using P2RY4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

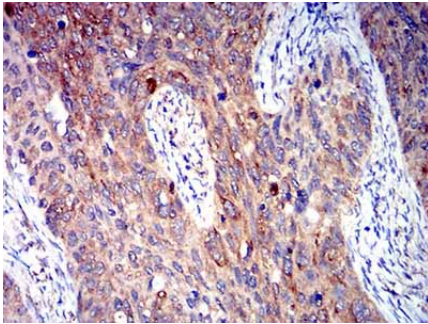


Figure 6: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using P2RY4 mouse mAb with DAB staining.

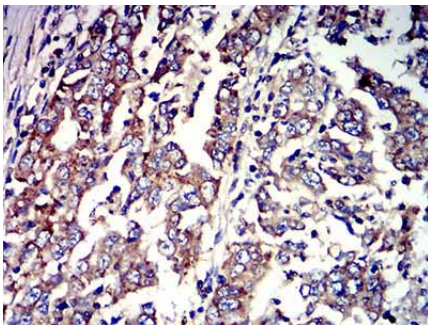


Figure 7: Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using P2RY4 mouse mAb with DAB staining.

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