

P2RY4
Purified Mouse Monoclonal Antibody
Catalog # AO2658a**Specification**

P2RY4 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	P51582
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	41kDa KDa

Immunogen

Purified recombinant fragment of human P2RY4 (AA: extra mix) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

P2RY4 - 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.

P2RY4 - 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.

P2RY4 - 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](#)

P2RY4 - Images

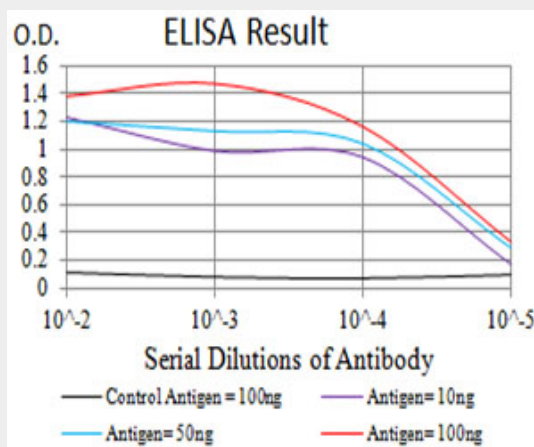


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

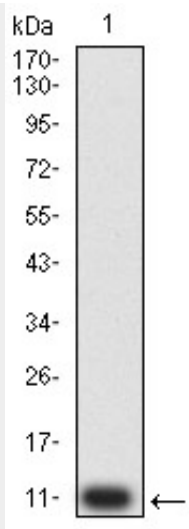


Figure 2: Western blot analysis using P2RY4 mAb against human P2RY4 (AA: extra mix) recombinant protein. (Expected MW is 10.1 kDa)

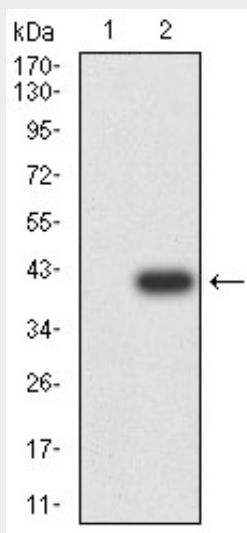


Figure 3: Western blot analysis using P2RY4 mAb against HEK293 (1) and P2RY4 (AA: extra mix)-hlgGFc transfected HEK293 (2) cell lysate.

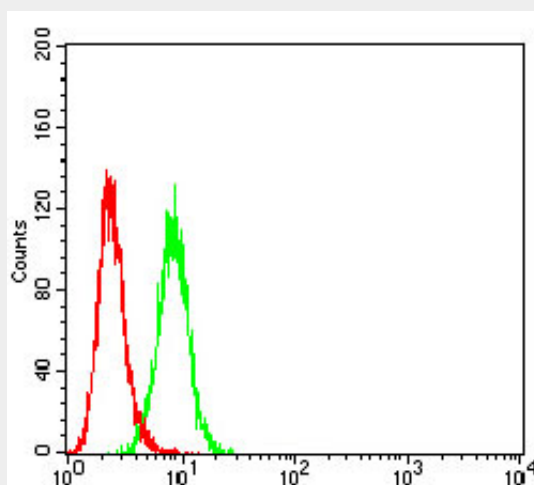


Figure 5: Flow cytometric analysis of HeLa cells using P2RY4 mouse mAb (green) and negative

control (red).

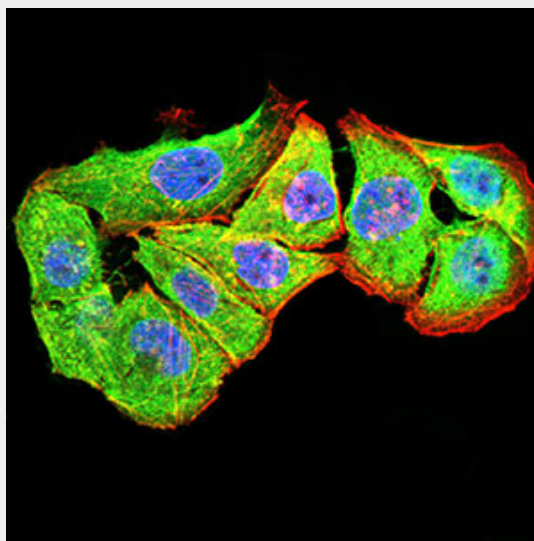


Figure 4: Immunofluorescence analysis of HeLa cells using P2RY4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

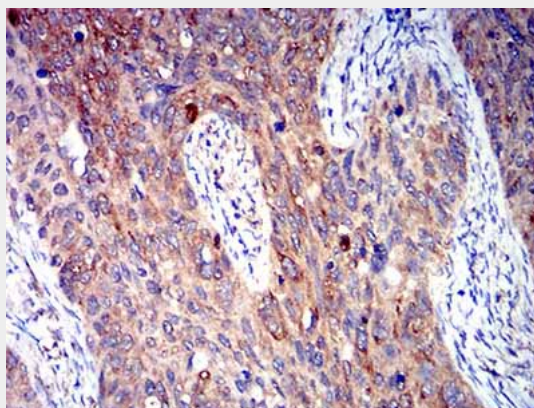


Figure 6: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues using P2RY4 mouse mAb with DAB staining.

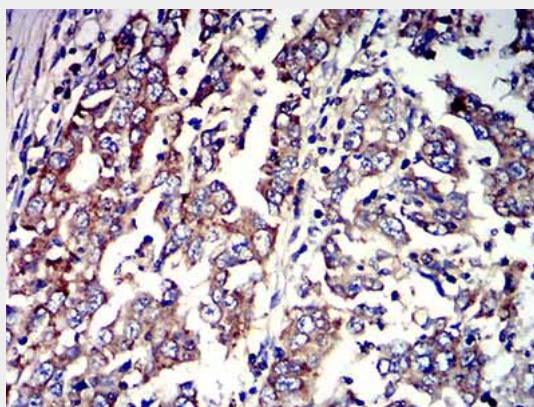


Figure 7: Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using P2RY4 mouse mAb with DAB staining.

P2RY4 - References

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