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# P2RY14

Purified Mouse Monoclonal Antibody
Catalog # AO2662a

## Product Information

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|---|---|
| **Application** | WB, IHC, ICC, E |
| **Primary Accession** | Q15391 |
| **Reactivity** | Human |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Clone Names** | 5A3F1 |
| **Isotype** | Mouse IgG2b |
| **Calculated MW** | 38971 |
| **Immunogen** | Purified recombinant fragment of human P2RY14 (AA: extra mix) expressed in E. Coli. |
| **Formulation** | Purified antibody in PBS with 0.05% sodium azide |

## Additional Information

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|---|---|
| **Gene ID** | 9934 |
| **Other Names** | P2Y14; BPR105; GPR105 |
| **Dilution** | WB~~ 1/500 - 1/2000 IHC~~ 1/200 - 1/1000 ICC~~ 1/200 - 1/1000 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** | P2RY14 is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | P2RY14 |
| **Synonyms** | GPR105, KIAA0001 |
| **Function** | Receptor for UDP-glucose and other UDP-sugar coupled to G- proteins. Not activated by ATP, ADP, UTP or ATP. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |
| **Tissue Location** | Highest expression in the placenta, adipose tissue, stomach and intestine, intermediate levels in the brain, spleen, lung and heart, lowest levels in the |

kidney

## References

1.Mol Pharmacol. 2013 Jul;84(1):41-9.2.Bioorg Med Chem Lett. 2007 Feb 1;17(3):761-6.

## Images

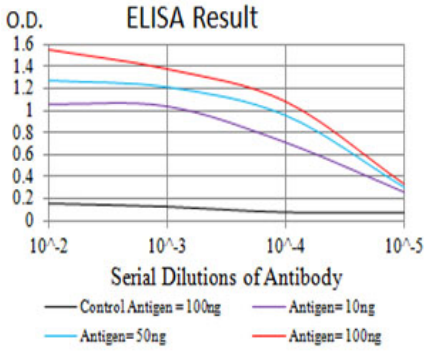



Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

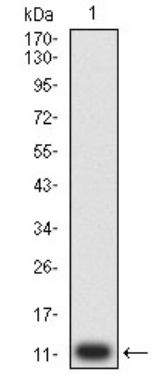



Figure 2:Western blot analysis using P2RY14 mAb against human P2RY14 (AA: extra mix) recombinant protein. (Expected MW is 11.5 kDa)

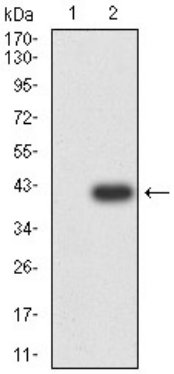



Figure 3:Western blot analysis using P2RY14 mAb against HEK293 (1) and P2RY14 (AA: extra mix)-hIgGFc transfected HEK293 (2) cell lysate.

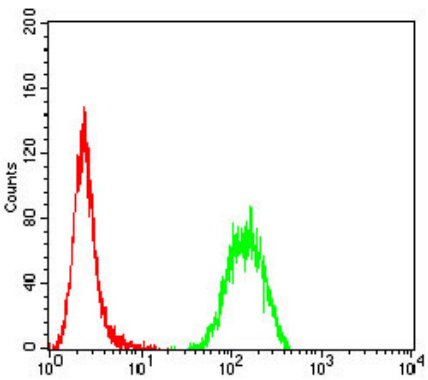



Figure 5:Flow cytometric analysis of Hela cells using P2RY14 mouse mAb (green) and negative control (red).

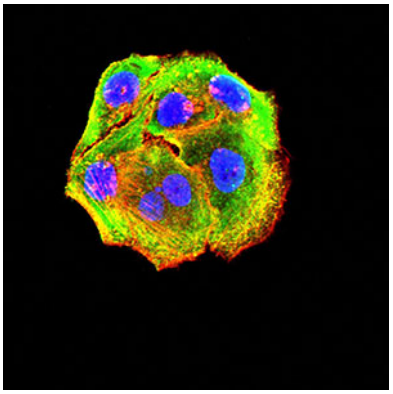


Figure 4:Immunofluorescence analysis of Hela cells using P2RY14 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

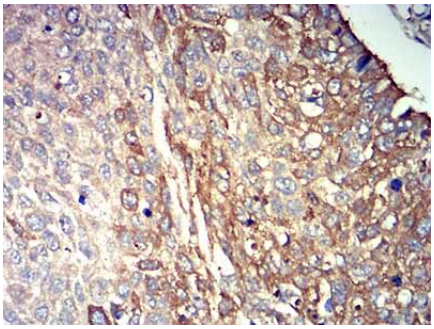


Figure 6:Immunohistochemical analysis of paraffin-embedded lung cancer tissues using P2RY14 mouse mAb with DAB staining.

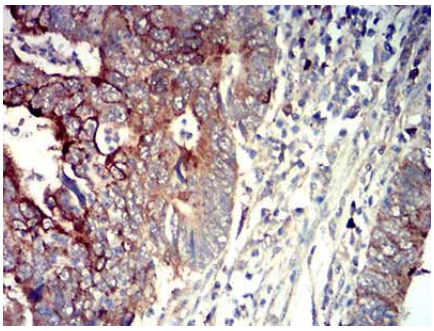


Figure 7:Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using P2RY14 mouse mAb with DAB staining.

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