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# P2Y2 Rabbit pAb

P2Y2 Rabbit pAb
Catalog # AP58129

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF, E |
| **Primary Accession** | P41231 |
| **Reactivity** | Human |
| **Predicted** | Rat, Mouse, Rabbit, Dog, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 42273 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human P2Y2R |
| **Epitope Specificity** | 21-120/377 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SUBCELLULAR LOCATION** | Cell membrane; Multi-pass membrane protein. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The product of this gene belongs to the family of G-protein coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. This receptor is responsive to both adenosine and uridine nucleotides. It may participate in control of the cell cycle of endometrial carcinoma cells. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]. |

## Additional Information

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| **Gene ID** | 5029 |
| **Other Names** | P2Y purinoceptor 2, P2Y2, ATP receptor, P2U purinoceptor 1, P2U1, P2U receptor 1, Purinergic receptor, P2RY2, P2RU1 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | P2RY2 |
| **Synonyms** | P2RU1 |
| **Function** | Receptor for ATP and UTP coupled to G proteins that activate a phosphatidylinositol-calcium second messenger system. The affinity range is UTP = ATP > ATP-gamma-S >> 2-methylthio-ATP = ADP. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |
| **Tissue Location** | Spleen, testis, kidney, liver, lung, heart and brain |

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