

## Rabbit P2RY2 Polyclonal Antibody | anti-P2RY2 antibody

P2RY2 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281164</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

P2RY2; Polyclonal Antibody; P2RY2 Polyclonal Antibody; HP2U; P2RU1; P2U; P2U1; P2UR; P2Y2; P2Y2R; anti-P2RY2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human, Mouse, Rat                                                                                              |
| Clonality                                       | Polyclonal                                                                                                     |
| Isotype                                         | IgG                                                                                                            |
| Purity/Purification                             | Affinity Purification                                                                                          |
| Sequence                                        | CHTLNAINMA YKPTRPLASA NSCLDPVLYF LAGQRLVRFA RDAKPPTGPS PATPARRRLG LRRSDRTDMQ<br>RIEDVLGSSE DSRRTSTPA GSENTKDRL |
| Sequence Length                                 | 377                                                                                                            |
| Applicable Applications for anti-P2RY2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                  |
| Immunogen                                       | Recombinant protein of human P2RY2                                                                             |
| Immunogen Species                               | Human                                                                                                          |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Cellular Location                               | Cell membrane, Multi-pass membrane protein                                                                     |
| Positive Samples                                | MCF-7, HL-60, THP-1, SKOV3, BT-474, Mouse liver, Mouse heart, Mouse skeletal muscle                            |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles.                                                             |

### IMAGES



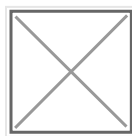
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using P2RY2 antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using P2RY2 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using P2RY2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-P2RY2 antibody | The product of this gene belongs to the family of P2 receptors, which is activated by extracellular nucleotides and subdivided into P2X ligand-gated ion channels and P2Y 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, found on many cell types, is activated by ATP and UTP and is reported to be overexpressed on some cancer cell types. It is involved in many cellular functions, such as proliferation, apoptosis and inflammation. Three transcript variants encoding the same protein have been identified for this gene. |
| Product Categories/Family for anti-P2RY2 antibody   | <a href="#">Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 469832255                                                                |
| NCBI GeneID                      | 5029                                                                     |
| NCBI Accession #                 | <a href="#">NP_002555.3</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002564.3</a>                                              |
| UniProt Accession #              | <a href="#">P41231</a> ; <a href="#">Q96EM8</a> ; <a href="#">B2R9W3</a> |
| Molecular Weight                 | Calculated: 42kDa<br>Observed: 50kDa                                     |
| NCBI Official Full Name          | P2Y purinoceptor 2                                                       |
| NCBI Official Synonym Full Names | purinergic receptor P2Y2                                                 |
| NCBI Official Symbol             | P2RY2                                                                    |
| NCBI Official Synonym Symbols    | P2U; HP2U; P2U1; P2UR; P2Y2; P2RU1; P2Y2R                                |
| NCBI Protein Information         | P2Y purinoceptor 2                                                       |
| UniProt Protein Name             | P2Y purinoceptor 2                                                       |
| UniProt Gene Name                | <b>P2RY2</b>                                                             |
| UniProt Synonym Gene Names       | P2RU1; P2Y2; P2U1                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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