

## DATASHEET

# P2Y12 Rabbit Monoclonal Antibody(C1687)

CAT. NO. AMA01299

### KEY FEATURES

|               |  |               |              |
|---------------|--|---------------|--------------|
| Target        | P2Y12  | Source / Host | Rabbit       |
| Reactivity    | Human, Rat   | Clonality     | Monoclonal   |
| Applications  | WB, IP   | Conjugation   | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage       | at-20°C      |

### BACKGROUND

Receptor for ADP and ATP coupled to G-proteins that inhibit the adenylyl cyclase second messenger system. Not activated by UDP and UTP. Required for normal platelet aggregation and blood coagulation.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:1000 |
| IP | 1:10 - 1:50    |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

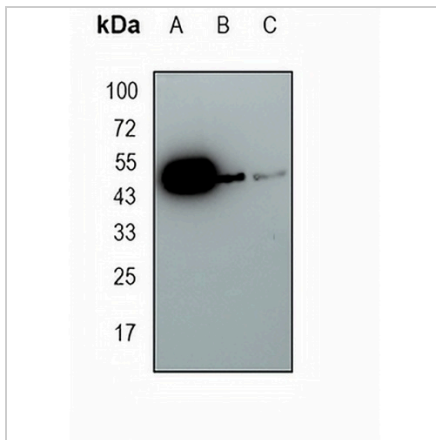
|                   |  |
|-------------------|--|
| Description       | Recombinant rabbit monoclonal antibody to P2Y12  |
| Specificity       | Recognizes endogenous levels of P2Y12 protein  |
| Antibody Type     | Primary antibody, Recombinant  |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within human P2Y12 protein. The exact sequence is proprietary.                    |
| Purification      | The antibody was purified by immunogen affinity chromatography.  |
| Molecular Weight  | Predicted: 39 kD; Observed: 50 kD  |
| Form/Buffer       | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.   |
| Alternative Names | HORK3; P2Y purinoceptor 12; P2Y12; ADP-glucose receptor; ADPG-R; P2T(AC); P2Y(AC); P2Y(cyc); P2Y12 platelet ADP receptor; P2Y(ADP); SP1999 |
| Gene Symbol       | P2RY12   |
| Entrez Gene       | 64805(Human); 64803(Rat)   |
| SwissProt         | Q9H244(Human); Q9EPX4(Rat)   |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of P2Y12 expression in rat brain (A), HEK293T (B), MDAMB231 (C) whole cell lysates. (Predicted band size: 39 kD; Observed band size: 50 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.