Datasheet for ABIN7603079

anti-P2RY12 antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	P2RY12
Binding Specificity:	Middle Region
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RY12 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-P2Y12/P2ry12 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of mouse P2Y12/P2ry12, which shares 73.3% and 93.3% amino acid (aa) sequence identity with human and rat P2Y12/P2ry12, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-P2Y12/P2ry12 Antibody Picoband® (ABIN7603079). Tested in Flow Cytometry, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	P2RY12
Alternative Name:	P2ry12 (P2RY12 Products)
Background:	Synonyms: Alpha-galactosidase A,3.2.1.22 ,Alpha-D-galactosidase A,Alpha-D-galactoside galactohydrolase,Melibiase,Gla,Ags, Background: P2Y12 is a chemoreceptor for adenosine diphosphate (ADP) that belongs to the Gi class of a group of G protein-coupled (GPCR) purinergic receptors. 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 involved in platelet aggregation, and is a potential target for the treatment of thromboembolisms and other clotting disorders. Mutations in this gene are implicated in bleeding disorder, platelet type 8 (BDPLT8). Alternative splicing results in multiple transcript variants of this gene.
Molecular Weight:	40 kDa
Gene ID:	70839

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse 1. Cattaneo, M., Zighetti, M. L., Lombardi, R., Martinez, C., Lecchi, A., Conley, P. B., Ware, J., Ruggeri, Z. M. Molecular bases of defective signal transduction in the platelet P2Y12 receptor of a patient with congenital bleeding. Proc. Nat. Acad. Sci. 100: 1978-1983, 2003. 2. Cattaneo, M. The platelet P2Y12 receptor for adenosine diphosphate: congenital and drug-induced defects. Blood 117: 2102-2112, 2011. 3. Cserep, C., Posfai, B., Lenart, N., Fekete, R., Laszlo, Z. I., Lele, Z., Orsolits, B., Molnar, G., Heindl, S., Schwarcz, A. D., Ujvari, K., Kornyei, Z., and 18 others. Microglia monitor and protect neuronal function through specialized somatic purinergic junctions. Science 367: 528-537, 2020.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.