

Datasheet for ABIN1049208

anti-P2RY12 antibody (Extracellular Domain)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	P2RY12
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Dog, Monkey, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic 16 amino acid peptide from 2nd extracellular domain of human P2RY12 / P2Y12.</p> <p>Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog, Horse, Rabbit (100%), Bat, Pig, Platypus (94%), Mouse, Hamster, Bovine, Opossum (88%), Rat, Elephant (81%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Specificity:	Human P2RY12 / P2Y12. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except CACNA1F (56 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Panda, Dog, Horse, Rabbit (100%) Bat, Pig, Platypus (94%) Mouse, Hamster, Bovine, Opossum (88%) Rat, Elephant (81%).

Product Details

Purification: Immunoaffinity purified

Target Details

Target: P2RY12

Alternative Name: P2RY12 / P2Y12 ([P2RY12 Products](#))

Background: Name/Gene ID: P2RY12

Subfamily: Purinergic

Family: GPCR

Synonyms: P2RY12, ADP-glucose receptor, ADPG-R, p2Y(12)R, p2Y(ADP), p2T(AC), p2Y12, Platelet ADP receptor, SP1999, p2RY12, p2Y purinoceptor 12, Purinergic receptor P2RY12, BDPLT8, Gi-coupled ADP receptor HORK3, HORK3, p2Y(AC), p2Y(cyc), p2Y12 platelet ADP receptor

Gene ID: 64805

Application Details

Application Notes: Approved: IHC, IHC-P (10 - 20 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

Tissue Preparation

Formalin fixation and embedding in paraffin wax

Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:	For Research Use only
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Handling

Format:	Liquid
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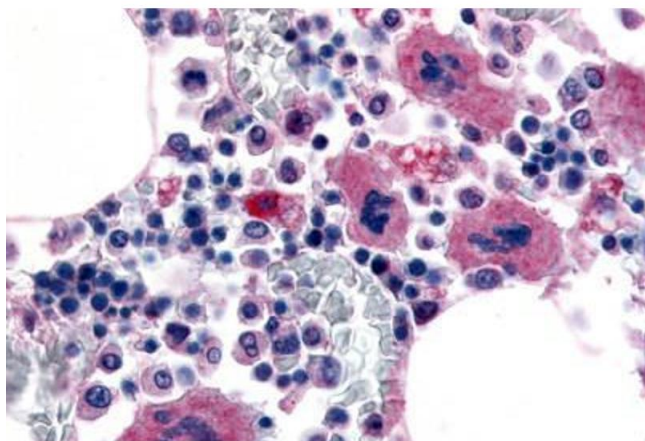
Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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Handling

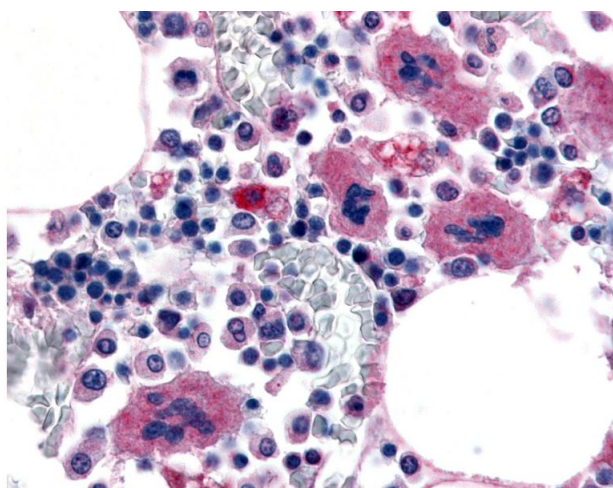
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-P2RY12 / P2Y12 antibody ABIN1049208 IHC staining of human bone marrow, megakaryocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-P2RY12 / P2Y12 antibody IHC of human bone marrow, megakaryocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.