

Datasheet for ABIN1049220  
**anti-P2RY6 antibody (Cytoplasmic Domain)**

## 2 Images

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## Overview

Quantity:	50 µg
Target:	P2RY6
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Rat, Cow, Pig, Rabbit, Monkey, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	<p>Synthetic 17 amino acid peptide from 2nd cytoplasmic domain of human P2RY6 / P2Y6.</p> <p>Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Rat, Hamster, Bovine, Rabbit, Pig (100%), Mouse, Panda, Dog, Bat (94%), Elephant, Pufferfish (82%).</p> <p>Type of Immunogen: Synthetic peptide</p>
Specificity:	Human P2RY6 / P2Y6. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except MOGAT1 (47 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Rat, Hamster, Bovine, Rabbit, Pig (100%) Mouse, Panda, Dog, Bat (94%) Elephant, Pufferfish (82%).

## Product Details

Purification: Immunoaffinity purified

## Target Details

Target: P2RY6

Alternative Name: P2RY6 / P2Y6 ([P2RY6 Products](#))

Background: Name/Gene ID: P2RY6

Subfamily: Purinergic

Family: GPCR

Synonyms: P2RY6, G-coupled nucleotide receptor, p2 purinoceptor, p2y3 receptor, p2Y purinoceptor 6, Purinergic receptor p2y6, p2RY6, p2y3 and chick, p2Y6 receptor, p2Y6, Purinoceptor p2y6

Gene ID: 5031

Pathways: [Smooth Muscle Cell Migration](#)

## Application Details

Application Notes: Approved: IHC, IHC-P (17 - 34 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

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Restrictions:	For Research Use only
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### Handling

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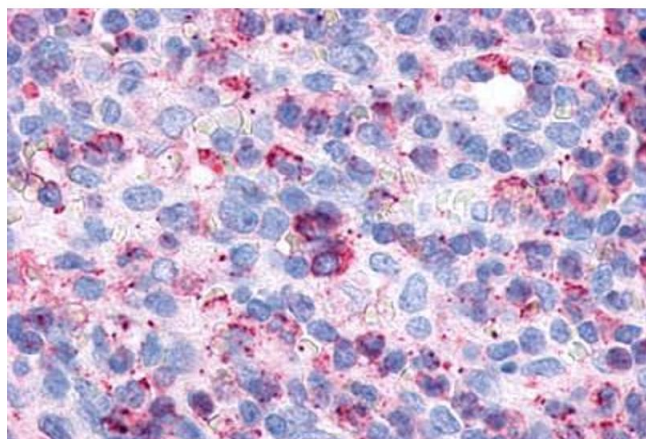
Buffer:	PBS, less than 0.1 % sodium azide.
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## Handling

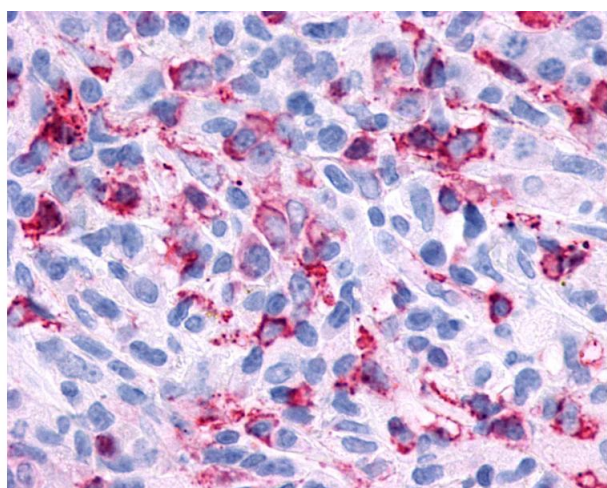
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for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

## Images



### Immunohistochemistry

**Image 1.** Anti-P2RY6 / P2Y6 antibody ABIN1049220 IHC staining of human spleen, red pulp. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-P2RY6 / P2Y6 antibody IHC of human Lymph Node, Non-Hodgkins Lymphoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.