

Datasheet for ABIN1049198
anti-P2RY1 antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	50 µg
Target:	P2RY1
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This P2RY1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from N-terminal extracellular domain of human P2RY1 / P2Y1. Percent identity with other species by BLAST analysis: Human, Gorilla (100%), Gibbon, Monkey, Mouse (94%), Marmoset, Rat, Hamster, Bovine (89%), Rabbit, Pig (83%). Type of Immunogen: Synthetic peptide
Specificity:	Human P2RY1 / P2Y1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla (100%) Gibbon, Monkey, Mouse (94%) Marmoset, Rat, Hamster, Bovine (89%) Rabbit, Pig (83%).
Purification:	Immunoaffinity purified

Target Details

Target:	P2RY1
Alternative Name:	P2RY1 / P2Y1 (P2RY1 Products)
Background:	<p>Name/Gene ID: P2RY1</p> <p>Subfamily: Purinergic</p> <p>Family: GPCR</p> <p>Synonyms: P2RY1, ATP receptor, p2Y1, p2y1r, Platelet ADP receptor, Purinoceptor p2y1, Purinergic receptor, p2 purinoceptor subtype Y1, p2RY1, p2Y purinoceptor 1, p2y-1-r, Purinoceptor p2yr1, p2y1 receptor</p>
Gene ID:	5028
Pathways:	Regulation of Carbohydrate Metabolic Process , Feeding Behaviour

Application Details

Application Notes:	Approved: IHC, IHC-P (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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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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Handling

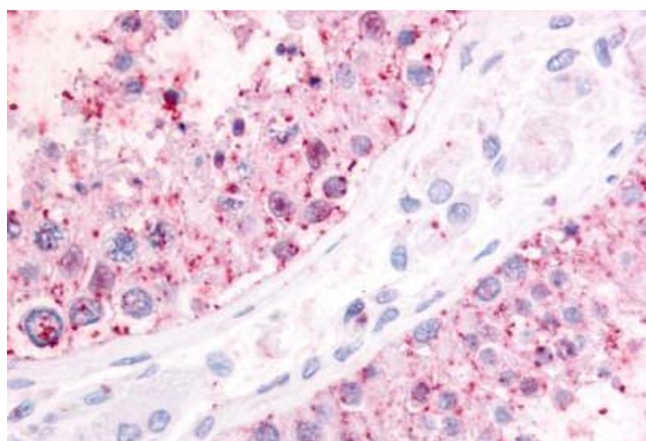
should be handled by trained staff only.

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.

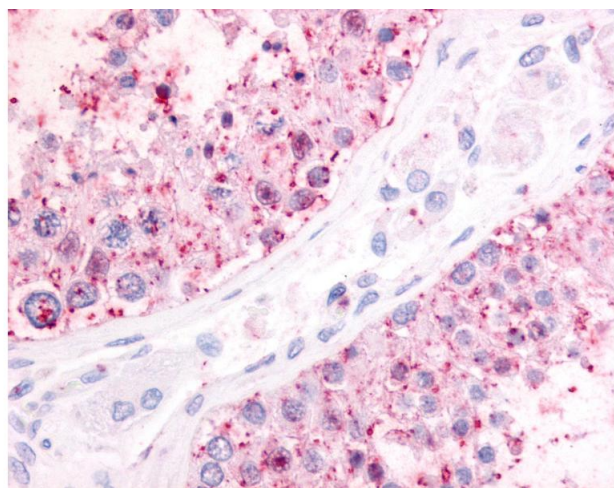
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Anti-P2RY1 / P2Y1 antibody ABIN1049198 IHC staining of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-P2RY1 / P2Y1 antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.