

Datasheet for ABIN1049255
anti-PTGER3 antibody (Cytoplasmic Domain)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	PTGER3
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Horse, Monkey, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 1st cytoplasmic domain of human PTGER3 / EP3. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Bovine, Horse, Pig (100%), Gorilla, Rat, Elephant, Bat, Rabbit (94%), Mouse, Panda (88%). Type of Immunogen: Synthetic peptide
Specificity:	Human PTGER3 / EP3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Bovine, Horse, Pig (100%) Gorilla, Rat, Elephant, Bat, Rabbit (94%) Mouse, Panda (88%).
Purification:	Immunoaffinity purified

Target Details

Target:	PTGER3
Alternative Name:	PTGER3 / EP3 (PTGER3 Products)
Background:	<p>Name/Gene ID: PTGER3</p> <p>Subfamily: Prostanoid</p> <p>Family: GPCR</p> <p>Synonyms: PTGER3, Ep3 prostanoid receptor, Ep3 receptor, EP3-I, EP3e, EP3-II, EP3-III, EP3-IV, PGE receptor, EP3 subtype, Prostaglandin receptor (PGE-2), Prostaglandin ep3 receptor, Prostanoid EP3 receptor, PGE receptor EP3 subtype, Pge2 receptor ep3, PGE2 receptor EP3 subtype, Prostaglandin E receptor 3, Prostaglandin e2 receptor ep3, EP3, Ep3 subtype pge2 receptor, PGE2-R, Prostaglandin E receptor EP3</p>
Gene ID:	5733

Application Details

Application Notes:	Approved: IHC, IHC-P (2 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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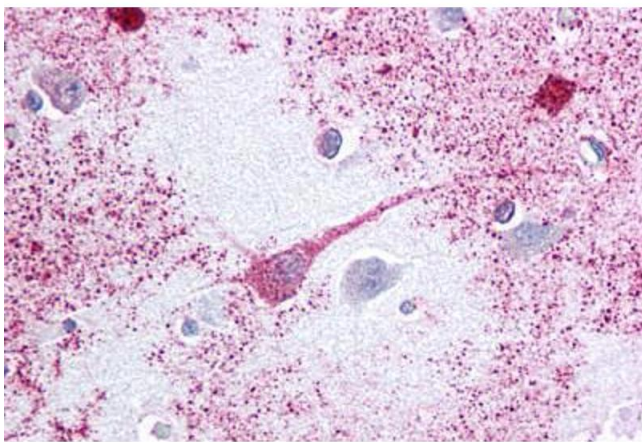
Buffer:	PBS, less than 0.1 % sodium azide.
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Preservative:	Sodium azide
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Handling

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-PTGER3 / EP3 antibody ABIN1049255 IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.