

Datasheet for ABIN1048561
anti-ENPP3 antibody (Internal Region)



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Overview

Quantity:	50 µg
Target:	ENPP3
Binding Specificity:	Internal Region
Reactivity:	Human, Dog, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENPP3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 19 amino acid peptide from internal region of human ENPP3. Percent identity with other species by BLAST analysis: Human, Orangutan, Gibbon, Monkey, Marmoset, Dog (100%), Bovine, Horse, Pig (95%), Panda, Bat (84%). Type of Immunogen: Synthetic peptide
Specificity:	Human ENPP3. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Orangutan, Gibbon, Monkey, Marmoset, Dog (100%) Bovine, Horse, Pig (95%) Panda, Bat (84%).
Purification:	Immunoaffinity purified

Target Details

Target:	ENPP3
Alternative Name:	ENPP3 / CD203c (ENPP3 Products)
Background:	<p>Name/Gene ID: ENPP3</p> <p>Family: Phosphodiesterase - Other</p> <p>Synonyms: ENPP3, CD203c antigen, CD203c, E-NPP 3, NPP3, Phosphodiesterase-I beta, PD-IBETA, PDNP3, Phosphodiesterase I beta, B10, gp130RB13-6</p>
Gene ID:	5169
Pathways:	Regulation of Muscle Cell Differentiation , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Approved: IHC, IHC-P (15 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	<p>The IHC-pro Immunohistochemistry Protocol</p> <p>Tissue Preparation</p> <p>Formalin fixation and embedding in paraffin wax</p> <p>Tissue Sectioning</p> <p>Make 4-µm sections and place on pre-cleaned and charged microscope slides.</p> <p>Heat in a tissue-drying oven for 45 minutes at 60°C</p> <p>Deparaffinization</p> <p>Wash slides in 3 changes of xylene – 5 minutes each at room temperature.</p> <p>Rehydration</p> <p>Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.</p> <p>Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.</p> <p>Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.</p> <p>Rinse slides in gentle running distilled water – 5 minutes at room temperature.</p> <p>Antigen retrieval</p> <p>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes</p> <p>Remove from heat and let stand at room temperature in buffer - 20 minutes</p>

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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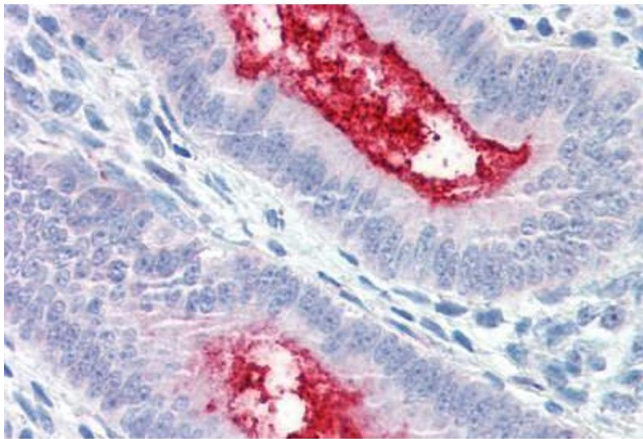
Handling

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

Handling

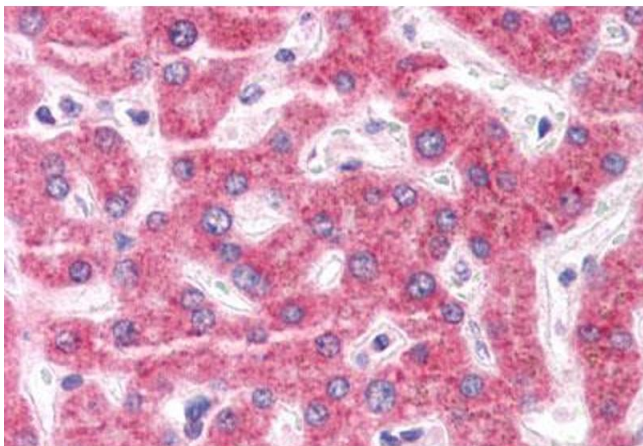
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



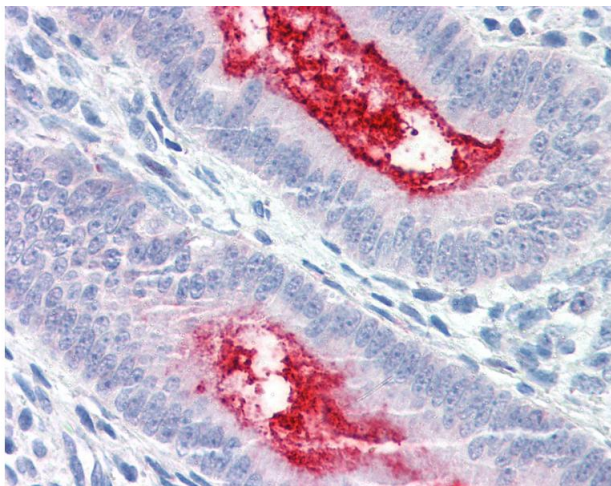
Immunohistochemistry

Image 1. Anti-ENPP3 antibody ABIN1048561 IHC staining of human uterus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ENPP3 antibody ABIN1048561 IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 3. Anti-ENPP3 antibody IHC of human uterus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.