

Datasheet for ABIN1048790
anti-GPR3 antibody (Extracellular Domain)[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	50 µg
Target:	GPR3
Binding Specificity:	Extracellular Domain
Reactivity:	Human, Mouse, Rat, Monkey, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 15 amino acid peptide from 2nd extracellular domain of human GPR3. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster (100%), Rabbit (93%), Bovine, Panda, Pig (80%). Type of Immunogen: Synthetic peptide
Specificity:	Human GPR3. 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, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster (100%) Rabbit (93%) Bovine, Panda, Pig (80%).
Purification:	Immunoaffinity purified

Target Details

Target:	GPR3
Alternative Name:	GPR3 (GPR3 Products)
Background:	Name/Gene ID: GPR3 Subfamily: Lysophospholipid/Lysosphingolipid Family: GPCR Synonyms: GPR3, ACCA, ACCA orphan receptor, G protein-coupled receptor 3, GPCR3, Hacca, G-protein coupled receptor 3
Gene ID:	2827
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Approved: ICC, IF, IHC, IHC-P (6 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 should be handled by trained staff only.
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Handling

Storage: 4 °C, -20 °C

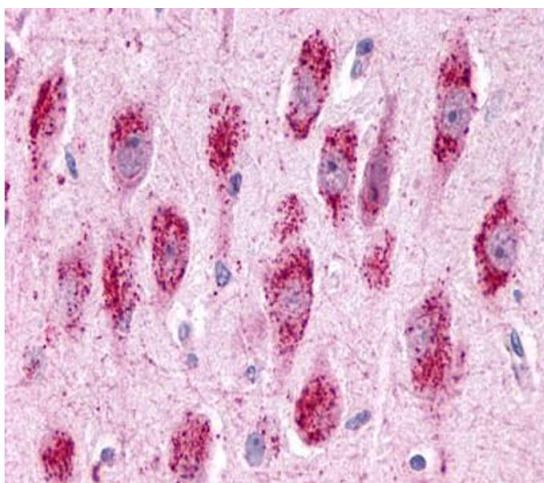
Storage Comment: Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

Expiry Date: 12 months

Publications

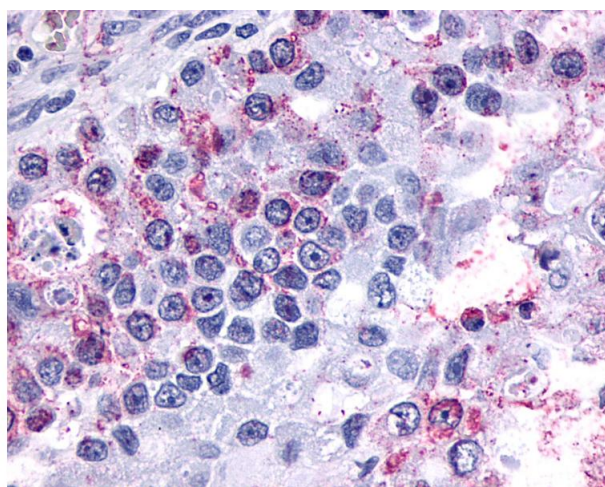
Product cited in: Ledent, Demeestere, Blum, Petermans, Hämmäläinen, Smits, Vassart: "Premature ovarian aging in mice deficient for Gpr3." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 102, Issue 25, pp. 8922-6, (2005) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Anti-GPR3 antibody ABIN1048790 IHC staining of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GPR3 antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.