

Datasheet for ABIN1048863
anti-GPR68 antibody (C-Term)**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	GPR68
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Horse, Cow, Rabbit, Monkey, Pig, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPR68 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from C-terminus of human GPR68. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bovine, Hamster, Elephant, Horse, Rabbit, Pig (100%), Dog, Bat, Panda, Platypus (88%). Type of Immunogen: Synthetic peptide
Specificity:	Human GPR68. 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, Bovine, Hamster, Elephant, Horse, Rabbit, Pig (100%) Dog, Bat, Panda,

Product Details

Platypus (88%).

Purification: Immunoaffinity purified

Target Details

Target: GPR68

Alternative Name: GPR68 / OGR1 ([GPR68 Products](#))

Background: Name/Gene ID: GPR68
Subfamily: Lysophospholipid/Lysosphingolipid
Family: GPCR

Synonyms: GPR68, Brgrb, G protein-coupled receptor 68, G-protein coupled receptor 68, OGR1, Brgr1, GPR12A, OGR-1

Gene ID: 8111

Application Details

Application Notes: Approved: ICC, IF, IHC, IHC-P (10 - 20 µg/mL)

Not recommended for: IHC-P

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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Handling

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
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:	Komarova, Pereverzev, Shum, Sims, Dixon: "Convergent signaling by acidosis and receptor activator of NF-kappaB ligand (RANKL) on the calcium/calcieneurin/NFAT pathway in osteoclasts." in: Proceedings of the National Academy of Sciences of the United States of America , Vol. 102, Issue 7, pp. 2643-8, (2005) (PubMed).
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Images

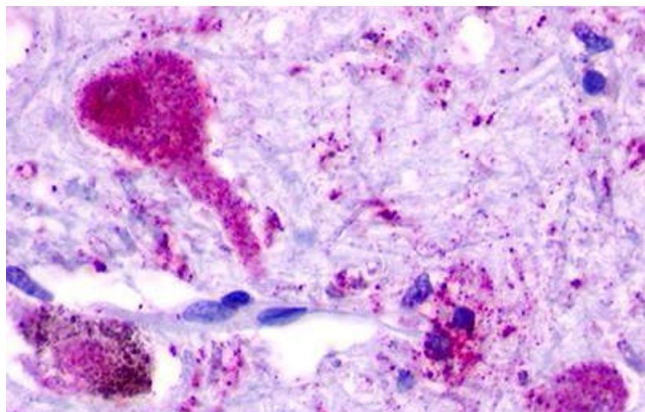
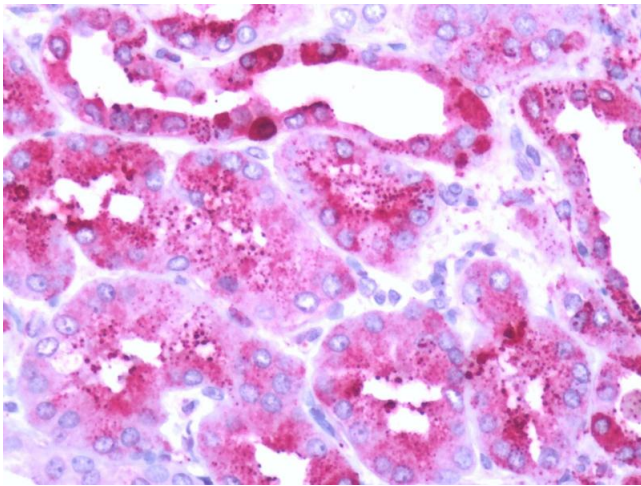


Image 1.



Immunohistochemistry

Image 2. Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)