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# Datasheet for ABIN1048732 anti-GPR15 antibody (Extracellular Domain)





### Overview

Quantity:	50 µg
Target:	GPR15
Binding Specificity:	Extracellular Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 19 amino acid peptide from 2nd extracellular domain of human GPR15. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Panda (100%), Marmoset, Bovine, Elephant, Rabbit, Pig (95%), Horse (89%), Mouse, Bat (84%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human GPR15. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Panda (100%) Marmoset, Bovine, Elephant, Rabbit, Pig (95%) Horse (89%) Mouse, Bat (84%).
Purification:	Immunoaffinity purified

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Target Details	
Target:	GPR15
Alternative Name:	BOB / GPR15 (GPR15 Products)
Background:	Name/Gene ID: GPR15
	Subfamily: Orphan-A
	Family: GPCR
	Synonyms: GPR15, Brother of Bonzo, G protein-coupled receptor 15, G-protein coupled receptor
	15, BOB, Gpr-15
Gene ID:	2838
Application Details	
Application Notes:	Approved: IHC, IHC-P (10 µg/mL)
	Usage: Antigen retrieval requires Proteinase K treatment.
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

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#### 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 streptavidin – 30 minutes at room temperature. May 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

#### Handling

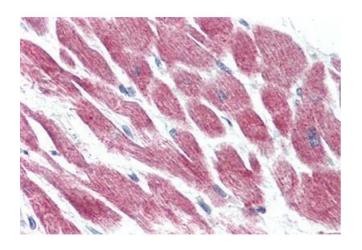
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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## Handling

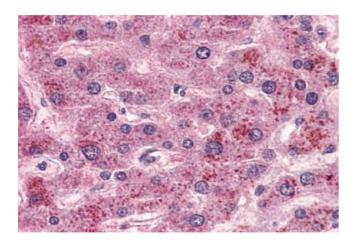
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

### Images



#### Immunohistochemistry

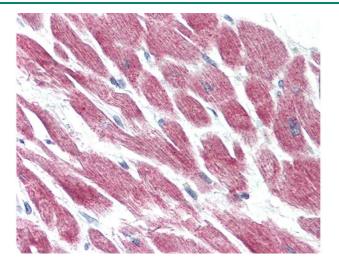
**Image 1.** Anti-GPR15 antibody ABIN1048732 IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



#### Immunohistochemistry

**Image 2.** Anti-GPR15 antibody ABIN1048732 IHC staining of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

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#### Immunohistochemistry

**Image 3.** Anti-GPR15 antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.

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