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## Datasheet for ABIN1049424 anti-GPR175 antibody (Cytoplasmic Domain)

3 Images



#### Overview

Quantity:	50 µg
Target:	GPR175 (TPRA1)
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

## Product Details

Brand:	IHC-plus™				
Immunogen:	Synthetic 16 amino acid peptide from 1st cytoplasmic domain of human TPRA1 / GPR175. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Opossum (100%), Elephant, Turkey, Chicken, Xenopus, Seabass, Salmon, Pufferfish, Zebrafish, Stickleback (94%), Mouse, Rat, Bat, Dog, Bovine, Panda, Rabbit, Pig, Platypus, Lizard (88%).				
	Type of Immunogen: Synthetic peptide				
Specificity:	Human TPRA1 / GPR175. 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, Opossum (100%) Elephant, Turkey, Chicken, Xenopus, Seabass, Salmon, Pufferfish				

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Product Details						
	Zebrafish, Stickleback (94%) Mouse, Rat, Bat, Dog, Bovine, Panda, Rabbit, Pig, Platypus, Lizard					
	(88%).					
Purification:	Immunoaffinity purified					
Target Details						
Target:	GPR175 (TPRA1)					
Alternative Name:	TPRA1 / GPR175 (TPRA1 Products)					
Background:	Name/Gene ID: TPRA1					
	Subfamily: Orphan-U					
	Family: GPCR					
	Synonyms: TPRA1, G protein-coupled receptor 175, Transmembrane protein 227, TMEM227,					
	TPRA40, GPR175					
Gene ID:	131601					
Application Details						
Application Notes:	Approved: ICC, IHC, IHC-P (8 - 19 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.					

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#### 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 streptavidin – 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.

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## Handling

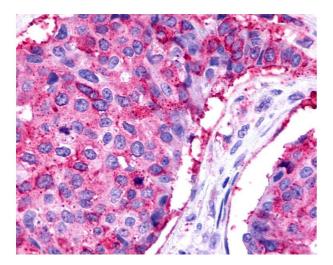
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

#### Images



#### Immunohistochemistry

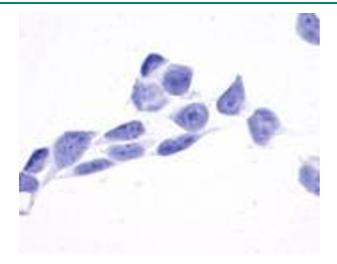
**Image 1.** Anti-TPRA1 / GPR175 antibody ABIN1049424 IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



## Immunohistochemistry

**Image 2.** Anti-TPRA1 / GPR175 antibody IHC of human Breast, Carcinoma. Immunohistochemistry of formalinfixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Images



Immunocytochemistry								
Image	3.	Anti-T	PRA1	/	Gl	PR17	75	antibody
immuno	cytoch	emistry	(ICC)	stain	ing	of	unt	ransfected
HEK293 human embryonic kidney cells.								

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