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# Datasheet for ABIN1048944 anti-GRM8 antibody (N-Term)

3 Images



## Overview

Quantity:	50 µg
Target:	GRM8
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Monkey, Rabbit, Bat, Horse, Chicken, Dog, Hamster, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from N-terminal extracellular domain of human GRM8 / MGLUR8. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Baboon, Monkey, Galago, Marmoset, Mouse, Rat, Shrew, Sheep, Hamster, Panda, Dog, Bat, Rabbit, Horse, Opossum, Chicken, Armadillo, Platypus (100%), Pufferfish (94%), Zebrafish (81%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human GRM8 / MGLUR8. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GRM7 (56 % ).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Baboon, Monkey, Galago, Marmoset, Mouse, Rat, Shrew, Sheep, Hamster, Panda, Dog, Bat, Rabbit, Horse, Opossum, Chicken, Armadillo, Platypus (100%) Pufferfish (94%) Zebrafish (81%).

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## Product Details

## Purification:

## Immunoaffinity purified

## Target Details

Talyet Details	
Target:	GRM8
Alternative Name:	GRM8 / MGLUR8 (GRM8 Products)
Background:	Name/Gene ID: GRM8
	Subfamily: Metabotropic glutamate
	Family: GPCR
	Synonyms: GRM8, GLUR8, GPRC1H, MGlu8, MGLUR8
Gene ID:	2918
Pathways:	cAMP Metabolic Process, Synaptic Membrane
Application Details	
Application Notes:	Approved: ICC, 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.

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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. 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

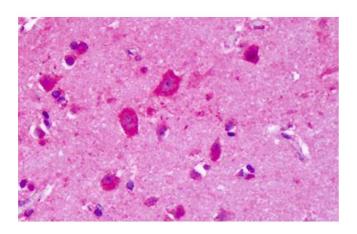
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide

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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.
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

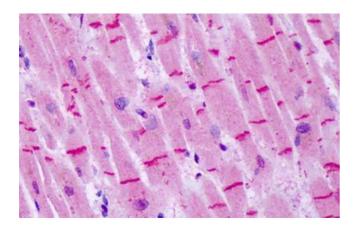
## Images

Handling



## Immunohistochemistry

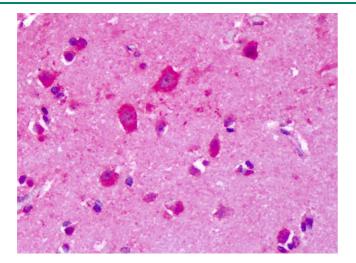
**Image 1.** Anti-GRM8 / MGLUR8 antibody IHC staining of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1048944 dilution 6 ug/ml.



#### Immunohistochemistry

**Image 2.** Anti-GRM8 / MGLUR8 antibody IHC staining of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody ABIN1048944 dilution 6 ug/ml.

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#### Immunohistochemistry

**Image 3.** Anti-GRM8 / MGLUR8 antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 6 ug/ml.

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