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anti-GRM8 antibody (C-Term)

2 Images



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Overview

Quantity:	50 μg
Target:	GRM8
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Monkey, Bat, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRM8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 19 amino acid peptide from C-terminus of human GRM8 / MGLUR8. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Baboon, Monkey, Galago, Marmoset, Mouse, Rat, Shrew, Bat, Horse, Armadillo (100%), Opossum, Chicken (95%), Platypus, Xenopus (89%), Stickleback (84%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human GRM8 / MGLUR8. 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, Baboon, Monkey, Galago, Marmoset, Mouse, Rat, Shrew, Bat, Horse, Armadillo (100%) Opossum, Chicken (95%)

Product Details

	Platypus, Xenopus (89%) Stickleback (84%).
Purification:	Immunoaffinity purified
Target 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: IHC, IHC-P (7 - 18 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.

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

Handling

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

Handling

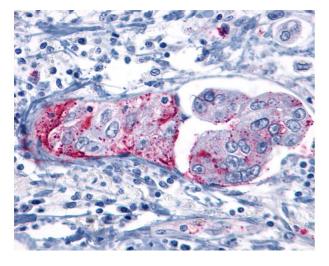
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for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

Images



Immunohistochemistry

Image 1. Anti-GRM8 / MGLUR8 antibody ABIN1048946 IHC staining of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GRM8 / MGLUR8 antibody IHC of human Pancreas, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.