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anti-Glucagon Receptor antibody (N-Term)

2 Images



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Purification:

Quantity:	50 μg	
Target:	Glucagon Receptor (GCGR)	
Binding Specificity:	N-Term	
Reactivity:	Human, Cow, Dog, Monkey, Hamster, Horse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Glucagon Receptor antibody is un-conjugated	
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Brand:	IHC-plus™	
Immunogen:	Synthetic 18 amino acid peptide from N-terminal extracellular domain of human Glucagon Receptor. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Hamster, Bovine, Dog, Horse (100%), Mouse, Rat (94%).	
	Type of Immunogen: Synthetic peptide	
Specificity:	Human Glucagon Receptor. 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, Hamster, Bovine, Dog, Horse (100%) Mouse, Rat (94%).	

Immunoaffinity purified

Target Details

Target:	Glucagon Receptor (GCGR)	
Alternative Name:	GCGR / Glucagon Receptor (GCGR Products)	
Background:	Name/Gene ID: GCGR	
	Subfamily: Glucagon	
	Family: GPCR	
	Synonyms: GCGR, GL-R, Glucagon receptor, GGR	
Gene ID:	2642	
Pathways:	Carbohydrate Homeostasis, Regulation of Carbohydrate Metabolic Process	

Application Details

Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
Comment:	Target Species of Antibody: Human
Application Notes:	Approved: IHC, IHC-P (15 - 20 μg/mL)

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

Handling

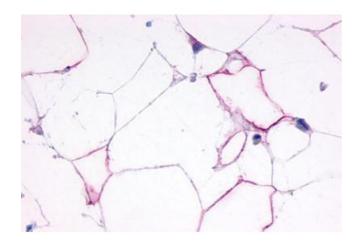
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	PBS, less than 0.1 % sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	

Handling

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.

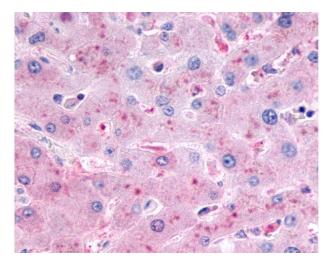
Expiry Date: 12 months

Images



Immunohistochemistry

Image 1. Anti-Glucagon Receptor antibody ABIN1048671 IHC staining of human adipocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-GCGR / Glucagon Receptor antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.