

Rabbit GIPR / GIP Receptor Polyclonal Antibody | anti-GIPR antibody

Rabbit Polyclonal to Human GIPR / GIP Receptor

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52327	Rabbit	Human, Monkey Predicted Reactivity: Mouse, Rat, Bovine, Dog, Hamster, Horse, Rabbit, Sheep	Immunohistochemistry

PRODUCT SYNONYMS

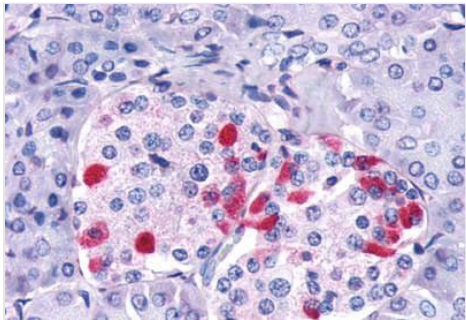
GIPR / GIP Receptor; Polyclonal Antibody; Rabbit Polyclonal to Human GIPR / GIP Receptor; Anti-GIPR / GIP Receptor Antibody (Cytoplasmic Domain) IHC-plus; GIPR; GIP receptor; PGQTL2; GIP-R; Human GIPR; GIP Receptor; anti-GIPR antibody

PRODUCT SPECIFICATIONS

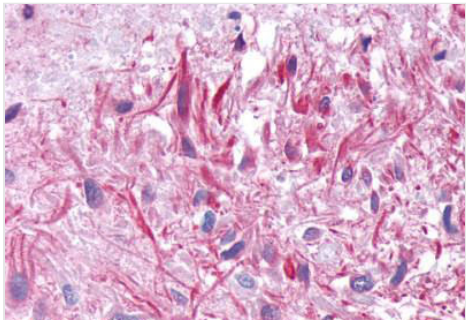
Host	Rabbit
Reactivity	Human, Monkey Predicted Reactivity: Mouse, Rat, Bovine, Dog, Hamster, Horse, Rabbit, Sheep
Clonality	Polyclonal
Specificity	Human GIPR. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except GHRHR (100%), GCGR (61%), GLP2R (61%).
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	466
Applicable Applications for anti-GIPR antibody	IHC (Immunohistochemistry)
Target	GIPR/GIP Receptor
Immunogen Type	Synthetic peptide
Immunogen Species	GIPR/GIP Receptor antibody was raised against Human
Immunogen Description	GIPR / GIP Receptor antibody was raised against synthetic 18 amino acid peptide from 3rd cytoplasmic domain of human GIPR. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%); Mouse, Rat, Sheep, Hamster, Elephant, Panda, Bovine, Dog, Horse, Rabbit (94%); Opossum (83%).
Epitope	Cytoplasmic Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT 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 @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip Preparation and Storage 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.
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IMAGES



IHC (Immunohiostchemistry)
Anti-GIPR antibody IHC of human pancreas, islet of Langerhans. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-GIPR / GIP Receptor antibody IHC of human Brain, Glioblastoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-GIPR antibody	GIPR, or Gastric Inhibitory Polypeptide Receptor, mediates GIP-induced secretion of insulin by pancreatic islet beta cells after a meal. GIP is a gastrointestinal peptide hormone of 42 aa that is released from duodenal endocrine K cells after absorption of glucose or fat. Stimulation of the GIPR on pancreatic cells activates adenylyl cyclase and mitogen-activated protein kinase, resulting in increased insulin secretion.
Product Categories/Family for anti-GIPR antibody	Family: GPCR; Subfamily: Gastric inhibitory polypeptide

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503999
NCBI GeneID	2696
NCBI Accession #	NP_000155.1
NCBI GenBank Nucleotide #	NM_000164.2
UniProt Accession #	P48546; Q14401; Q16400; Q52M04; Q9UPI1; B7WP14; B7ZKQ0
NCBI Official Full Name	gastric inhibitory polypeptide receptor
NCBI Official Synonym Full Names	gastric inhibitory polypeptide receptor
NCBI Official Symbol	GIPR
NCBI Official Synonym Symbols	PGQTL2
NCBI Protein Information	gastric inhibitory polypeptide receptor; GIP-R; glucose-dependent insulinotropic polypeptide receptor
UniProt Protein Name	Gastric inhibitory polypeptide receptor
UniProt Gene Name	GIPR
UniProt Synonym Gene Names	GIP-R
UniProt Entry Name	GIPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gipr-gip-receptor-antibody-immunohistochemistry-elisa/52327>