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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Glucose-dependent insulintropic Receptor [Gipg013] Bulk Size Ab00424-6.4-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This full-length, chimeric rat antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rat IgG1, Fc Silent™, Lambda

Clone Number: Gipg013

Alternative Name(s) of Target: GIPr

UniProt Accession Number of Target Protein: Q8TDV5

Published Application(s): Blocking, ELISA, IF

Published Species Reactivity: Dog, Rat, Human, Mouse

Immunogen: Human GIPr.

Specificity: The original has a K_i value of 7 nM and a K_d value of 6.8 nM for human GIPr.

Application Notes: This antibody binds to GIPr, a GPCR expressed on pancreatic beta-cells, where activation leads to the release of insulin. Endogenous ligands for the receptor include oleylethanolamide and lysophosphatidylcholine. The antibody acts as a competitive antagonist. In rat islets, the antibody inhibits GIP-induced secretion of insulin by up to 81%.

Antibody First Published in: Ravn et al. Structural and pharmacological characterization of novel potent and selective monoclonal antibody antagonists of glucose-dependent insulintropic polypeptide receptor. *Journal of Biological Chemistry* 2013; 288(27):19760-19772 [PMID:23689510](#)

Note on publication: Describes the generation of a monoclonal antibody against GIP and subsequent crystallisation as well as inhibition studies.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg /ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.