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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB10063 - Goat Anti-GNAS Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: adenylate cyclase-stimulating G alpha protein, AHO, C20orf45, dJ309F20.1.1, GNAS complex locus, GNAS1, GPSA, GSA, GSP, MGC33735, NESP, OTTHUMP00000031742, OTTHUMP00000196026, OTTHUMP00000196030, PHP1A, PHP1B, POH, GNAS

Official Symbol: GNAS

Accession Number(s): NP_000507.1; NP_001070956.1; NP_001070957.1

Human GeneID(s): [2778](#)

Non-Human GeneID(s): 14683 (mouse), 24896 (rat)

Important Comments: This antibody is expected to recognize all three reported isoforms NP_000507.1, NP_001070956.1 and NP_536350.2. However, in Mouse it is expected to recognize reported isoforms GNASL (NP_963910.1) and XLas (NP_034439.2) only.

Immunogen

Peptide with sequence C-QAARSNSDGEKATK, from the internal region of the protein sequence according to NP_000507.1; NP_001070956.1; NP_001070957.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx. 45kDa band observed in Human Cerebellum, Mouse and Rat Brain lysates, and in lysates of cell line KNRK (calculated MW of 45.6kDa according to Human NP_963910.1, Mouse NP_963910.1 and Rat NP_062005.1). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Cow

Specific Reference

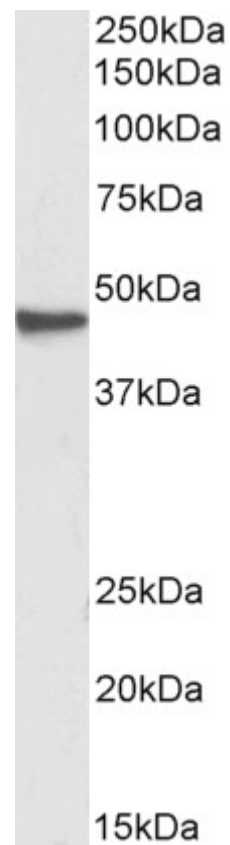
This antibody (previous batch) has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdigen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

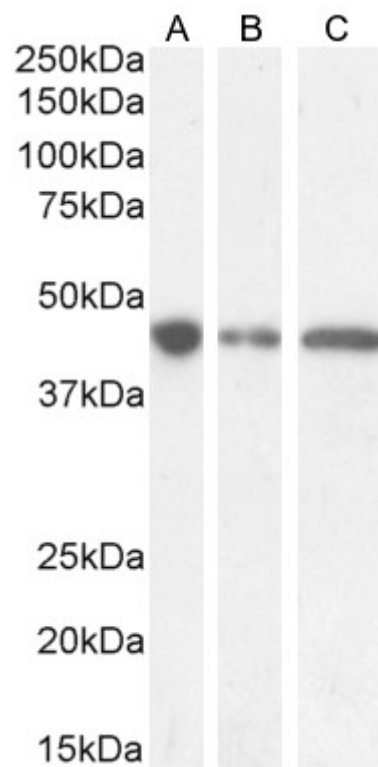
A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371



EB10063 (0.3 μ g/ml) staining of KNRK cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB10063 (0.5 μ g/ml) staining of Human Cerebellum (A) and (0.1 μ g/ml) Mouse (B) and Rat (C) Brain lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.