UK Office

Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:
info@everestbiotech.com
Sales:
sales@everestbiotech.com
Tech support:
support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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 reporterd 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

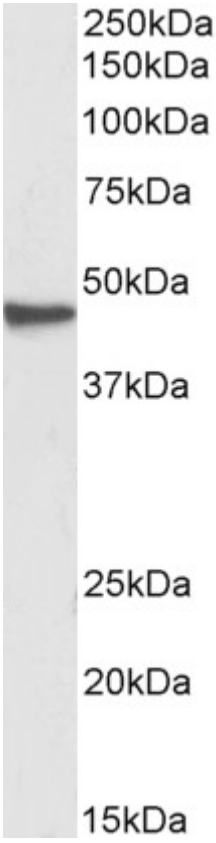
Peptide ELISA: antibody detection limit dilution 1:32000.
Western blot: Approx. 45kDa band observed in Human Cerebellum, Mouse and Rat Brain lysates, and in lysates of cell line KNRK (calculated MW of 45.6kDa according to Human NP_963910.1, Mouse NP_963910.1 and Rat NP_062005.1). Recommended concentration: 0.1-0.5µg/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

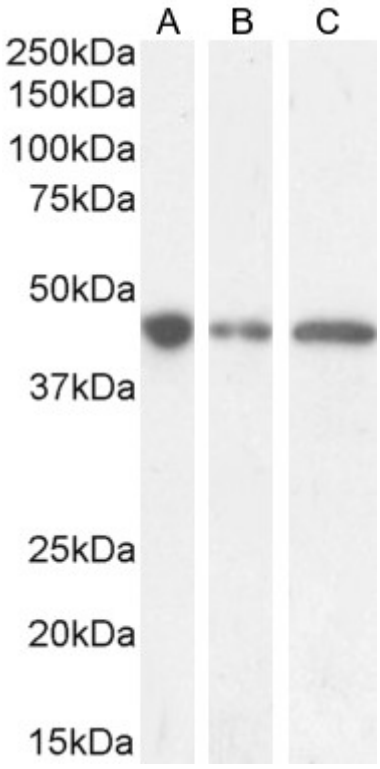
Tested: Human, Mouse, Rat
Expected from sequence similarity: Human, Mouse, Rat, Cow

Specific Reference

This antibody (previous batch) has been successfully used in the following paper:
Krzysztof Sikorski, Adi Mehta, Marit Inngjerdingen, 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 (0.3µg/ml) staining of KNRK cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



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