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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 1:16000.
Western blot: Approx 45kDa band observed in lysates of cell line Jurkat (calculated MW of 45.7kDa according to NP_000507.1). Recommended concentration: 1-3µg/ml. Approx. 50kDa band observed in lysates of Mouse and Rat Brain (calculated MW of 45.6kDa according to NP_963910.1). Recommended concentration: 0.1-0.3µg/ml.

Species Reactivity

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

EB10063 (1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB10063 (0.1µg/ml) staining of Mouse Brain (A) and Rat Brain (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.