

## UK Office

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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 1:16000.

**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.