

## UK Office

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

## EB09109 - Goat Anti-GAD1 (isoform GAD67) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GAD1, glutamate decarboxylase 1 (brain, 67kDa), FLJ45882, GAD, SCP, OTTHUMP00000041055, glutamate decarboxylase 1, glutamate decarboxylase 1 (brain, 67kD), GAD67, GAD25

**Official Symbol:** GAD1

**Accession Number(s):** NP\_000808.2

**Human GeneID(s):** [2571](#)

**Non-Human GeneID(s):** 14415 (mouse), 24379 (rat)

**Important Comments:** This antibody is expected to recognize isoform GAD67. There is no cross-reactivity expected with GAD2.

### Immunogen

Peptide with sequence C-PDSPQRREKLHK, from the internal region of the protein sequence according to NP\_000808.2.

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 65kDa band observed in Human Brain (Cerebral Cortex) lysates (calculated MW of 66.9kDa according to NP\_000808.2). Recommended concentration: 0.5-1.5µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat Brain for this particular batch.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow, Pig

EB09109 (0.5µg/ml) staining of Human Brain (Cerebral Cortex) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09109 (4µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. **This data is from a previous batch, not on sale.**