

## UK Office

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

## EB09679 - Goat Anti-GAL Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GAL, galanin prepropeptide, GALN, GLNN, GMAP, MGC40167, galanin, galanin-message-associated peptide, galanin-related peptide

**Official Symbol:** GAL

**Accession Number(s):** NP\_057057.2

**Human GeneID(s):** [51083](#)

**Non-Human GeneID(s):** 14419 (mouse), 29141 (rat)

### Immunogen

Peptide with sequence C-HRSFSDKNGLTSK, from the internal region of the protein sequence according to NP\_057057.2.

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 17kDa band observed in Human Brain (Cerebellum) and in Mouse and Rat Brain lysates (calculated MW of 13.3kDa according to Human NP\_057057.2 and of 13.5kDa according to Mouse NP\_034383.1 and Rat NP\_150240.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.

**IHC:** Frozen section of Human Hypothalamus shows staining of galaninergic axons in the human periventricular nucleus. Recommended concentration: 0.2-0.5µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

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

### Specific Reference

**This antibody has been successfully used in IHC on Human:**

Skrapits K, Borsay BÅ, Herczeg L, Ciofi P, Liposits Z, Hrabovszky E.

Neuropeptide co-expression in hypothalamic kisspeptin neurons of laboratory animals and the human.

Front Neurosci. 2015 Feb 10;9:29.

PMID: 25713511

EB09679 (1µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09679 (2µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence

EB09679 (0.3µg/ml) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, Cy3-staining. Data obtained by Prof. Erik Hrabovszky, Inst. Exp. Med., Budapest, Hungary.