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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 15kDa band observed in Rat Colon lysates, approx. 16kDa in Mouse Small intestine and Stomach, and Rat Duodenum lysates and approx. 17kDa in Mouse Brain lysates (calculated MW of 13.5kDa according to Mouse NP_034383.1 and Rat NP_150240.1). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Small Intestine. Recommended concentration: 7-8µg/ml.

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 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 Mouse Brain (A) Small Intestine (B) and Stomach (C) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09679 (8µg/ml) staining of paraffin embedded Human Small Intestine. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.

EB09679 Negative Control showing staining of paraffin embedded Human Small Intestine, with no primary antibody.