

Goat anti-GAL Antibody

Item Number	dAP-1928
Target Molecule	Principle Name: GAL; Official Symbol: GAL; All Names and Symbols: GAL; galanin prepropeptide; GALN; GLNN; GMAP; MGC40167; galanin; galanin-message-associated peptide; galanin-related peptide; Accession Number (s): NP_057057.2; Human Gene ID(s): 51083; Non-Human GenelD(s): 14419 (mouse) 29141 (rat)
Immunogen	HRSFSDKNGLTSK, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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
IHC	Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of galaninergic axons in the human periventricular nucleus. Recommended concentration: 0.2-0.5µg/ml.
Reference	Reference(s): Sugimoto T, Seki N, Shimizu S, Kikkawa N, Tsukada J, Shimada H, Sasaki K, Hanazawa T, Okamoto Y, Hata A, The galanin signaling cascade is a candidate pathway regulating oncogenesis in human squamous cell carcinoma. Genes, chromosomes & cancer 2009 Feb 48 (2): 132-42..PMID: 19191111

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**