



Datasheet for ABIN571062
anti-GAL antibody (Internal Region)



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3 Images

Overview

Quantity:	100 µg
Target:	GAL
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This GAL antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	GAL
Immunogen:	Peptide with sequence C-HRSFSDKNGLTSK, from the internal region of the protein sequence according to NP_057057.2.
Sequence:	HRSFSDKNGL TSK
Isotype:	IgG
Cross-Reactivity:	Cow, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	GAL
Alternative Name:	GAL (GAL Products)
Background:	GAL, galanin prepropeptide, GALN, GLNN, GMAP, MGC40167, galanin, galanin-message-associated peptide, galanin-related peptide
Gene ID:	51083, 14419, 29141
NCBI Accession:	NP_057057
Pathways:	Hormone Transport , Regulation of Hormone Metabolic Process , Feeding Behaviour

Application Details

Application Notes:	<p>Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of galanergic axons in the human periventricular nucleus. Recommended concentration: 0.2-0.5 µg/mL.</p> <p>Western Blot: Approx 17 kDa band observed in Human Brain (Cerebellum) and in Mouse and Rat Brain lysates (calculated MW of 13.3 kDa according to Human NP_057057.2 and of 13.5 kDa according to Mouse NP_034383.1 and Rat NP_150240.1). Recommended concentration</p> <p>Peptide ELISA: antibody detection limit dilution 1:32000.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

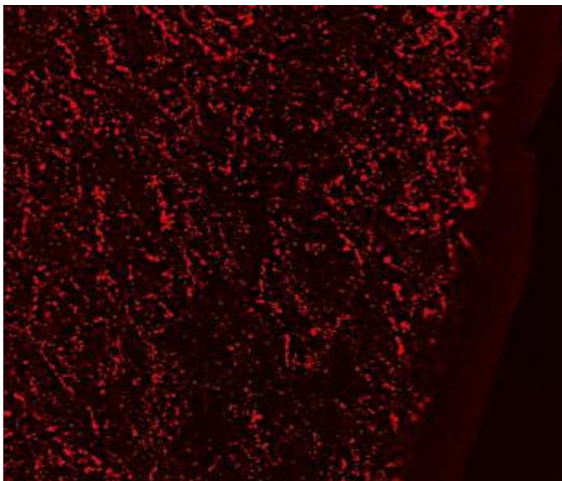
at 4°C for a few weeks and still remain viable.

Images



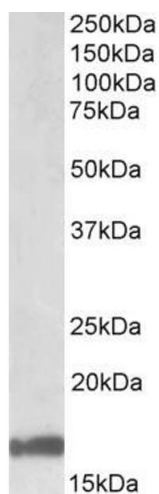
Western Blotting

Image 1. ABIN571062 (2µg/ml) staining of Mouse (A) and Rat (B) Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence



Immunofluorescence

Image 2. ABIN571062 (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.



Western Blotting

Image 3. ABIN571062 (1µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.