



Datasheet for ABIN185409

anti-NPY5R antibody (Internal Region)



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Overview

Quantity:	100 µg
Target:	NPY5R
Binding Specificity:	Internal Region
Reactivity:	Human, Hamster
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NPY5R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

Product Details

Purpose:	Neuropeptide Y receptor Y5
Immunogen:	Peptide with sequence C-GLSNKENRLEEN, from the internal region of the protein sequence according to NP_006165.1.
Sequence:	GLSNKENRLE EN
Isotype:	IgG
Cross-Reactivity:	Dog, 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:	NPY5R
Alternative Name:	NPY5R (NPY5R Products)
Background:	Neuropeptide Y receptor Y5 , HGNC:7958, NPY5R, NPYR5
Molecular Weight:	50.7kDa
Gene ID:	4889, 18168, 25340
NCBI Accession:	NP_006165
Pathways:	Feeding Behaviour

Application Details

Application Notes:	<p>Immunohistochemistry: In paraffin embedded Human Intestine shows staining of ganglion cells. Recommended concentration, 4-6 µg/mL.</p> <p>Western Blot: Approx 50 kDa band observed in Human Brain, Breast and Duodenum lysates (calculated MW of 50.7 kDa according to NP_006165.1). Recommended concentration: 0.3-1 µg/mL. Primary incubation was 1 hour. This antibody has been successfully used in W</p> <p>Peptide ELISA: antibody detection limit dilution 1:32000.</p>
Comment:	Immunoprecipitation: Customer feedback showed specific results when this product was used in IP. This antibody has been successfully used in IP: PMID: 30503694.
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

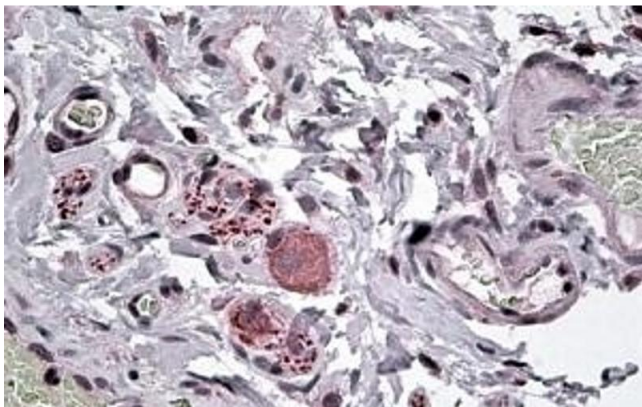
at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Czarnecka, Kitlinska: "Cell Surface Protein Detection to Assess Receptor Internalization." in: **Bio-protocol**, Vol. 6, Issue 20, (2016) ([PubMed](#)).

Sheriff, Ali, Yahya, Haider, Balasubramaniam, Amlal: "Neuropeptide Y Y5 receptor promotes cell growth through extracellular signal-regulated kinase signaling and cyclic AMP inhibition in a human breast cancer cell line." in: **Molecular cancer research : MCR**, Vol. 8, Issue 4, pp. 604-14, (2010) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. (ABIN185409) (3.8 µg/mL) staining of paraffin embedded Human Intestine. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



Western Blotting

Image 2. ABIN185409 (0.3 µg/ml) staining of Human Brain lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.