

Recombinant Human NPBWR1 293 Cell Lysate

Cat. No. NPBWR1-3745HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for neuropeptides B/W receptor 1 (NPBWR1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NPBWR1 neuropeptides B/W receptor 1 [Homo sapiens]

Official Symbol

NPBWR1

Synonyms

NPBWR1; neuropeptides B/W receptor 1; G protein coupled receptor 7 , GPR7; neuropeptides B/W receptor type 1; neuropeptide B/W receptor 1; G protein-coupled receptor 7; G-protein coupled receptor 7; opioid-somatostatin-like receptor 7; GPR7; MGC129755;

Gene ID

2831

mRNA Refseq

NM_005285

Protein Refseq

NP_005276

MIM

600730

UniProt ID

P48145

Chromosome Location

8p22-q21.13

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

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GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

G-protein coupled receptor activity; opioid receptor activity; protein binding; receptor activity; signal transducer activity;

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