

Recombinant Human AP4B1 293 Cell Lysate

Cat. No. AP4B1-8806HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for adaptor-related protein complex 4, beta 1 subunit (AP4B1) 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

AP4B1 adaptor-related protein complex 4, beta 1 subunit [Homo sapiens]

Official Symbol

AP4B1

Synonyms

AP4B1; adaptor-related protein complex 4, beta 1 subunit; spastic paraplegia 47 , SPG47; AP-4 complex subunit beta-1; beta 4 subunit of AP 4; BETA 4; beta4-adaptin; spastic paraplegia 47; beta 4 subunit of AP-4; CPSQ5; SPG47; BETA-4;

Gene ID

10717

mRNA Refseq

NM_001253852

Protein Refseq

NP_001240781

MIM

607245

UniProt ID

Q9Y6B7

**Chromosome
Location**

1p13.2

Pathway

Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific

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biosystem;

Function

binding; protein transporter activity; transporter activity;

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