

Recombinant Human MAP2 293 Cell Lysate

Cat. No. MAP2-4512HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for microtubule-associated protein 2 (MAP2), transcript variant 2 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

MAP2 microtubule-associated protein 2 [Homo sapiens]

Official Symbol

MAP2

Synonyms

MAP2; microtubule-associated protein 2; MAP2A; MAP2B; MAP2C; MAP-2; DKFZp686I2148;

Gene ID

4133

mRNA Refseq

NM_001039538

Protein Refseq

NP_001034627

MIM

157130

UniProt ID

P11137

Chromosome Location

2q34-q35

Pathway

LKB1 signaling events, organism-specific biosystem; MAPK Cascade, organism-specific biosystem;

Function

beta-dystroglycan binding; calmodulin binding; protein binding; structural molecule activity;

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