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Research Use Only. Not for diagnostic or therapeutic use.

EB05383 - Goat Anti-MARK4L Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MARK4, MAP/microtubule affinity-regulating kinase 4, MARKL1, KIAA1860, Nbla00650, MARK4 serine/threonine protein kinase, MAP/microtubule affinity-regulating kinase like 1, FLJ90097, putative protein product of Nbla00650

Official Symbol: MARK4

Accession Number(s): NP_113605.2

Human GeneID(s): 57787

Important Comments: This antibody is expected to recognize the reported long isoform 1

(NP_113605.2) only.

Immunogen

Peptide with sequence IKRKPPPGCSDSPGV, from the C Terminus of the protein sequence according to NP_113605.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

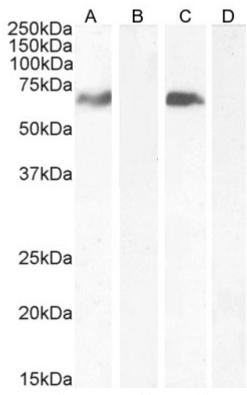
Western blot: Approx 70kDa band observed in Human Cerebellum and Mouse Brain lysates, and in lysates of cell line U251 (calculated MW of 75.3kDa according to Human NP_113605.2 and 75.4kDa according to Mouse NP_001355356.1). This band was succefully blocked by incubation with the immunising peptide. Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human, Mouse

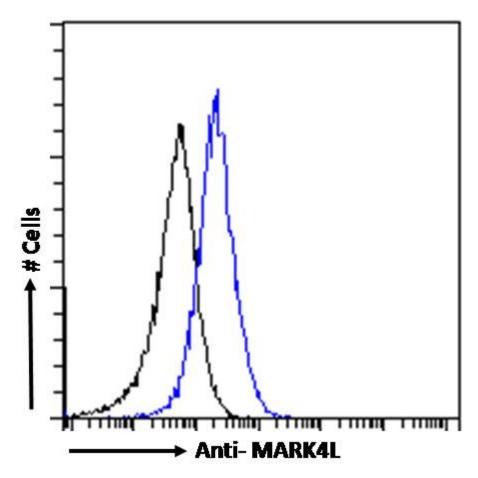
Expected from sequence similarity: Human, Mouse



EB05383 (0.3μg/ml) staining of Human Cerebellum lysate (A) + peptide (B), Mouse Brain lysate (C) + peptide (D). (35μg protein in RIPA buffer). Detected by chemiluminescence.



 $EB05383 \ (1\mu g/ml) \ staining \ of \ U251 \ cell \ lysate \ (35\mu g \ protein \ in \ RIPA \ buffer). \ Detected \ by \ chemiluminescence.$



EB05383 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.