



## International Office

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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.

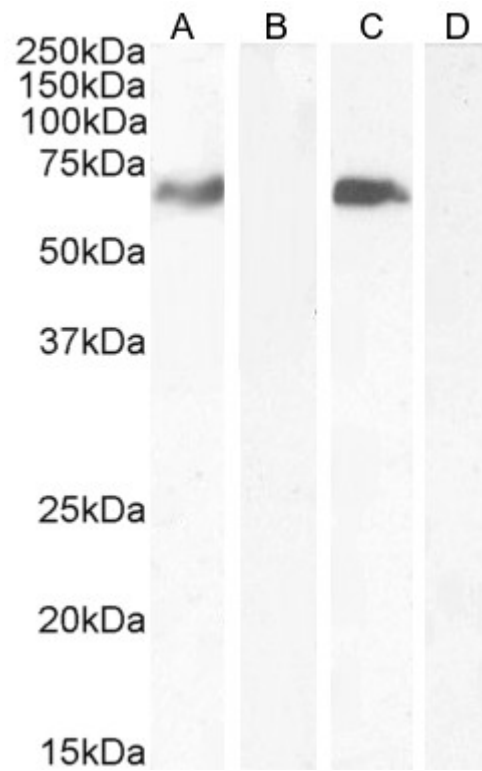
**Western blot:** Approx 70kDa band observed in Human Cerebellum and Mouse Brain lysates, and in lysates of cell line U251 (calculated MW of 75.3kDa according to Human NP\_113605.2 and 75.4kDa according to Mouse NP\_001355356.1). This band was successfully blocked by incubation with the immunising peptide. 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

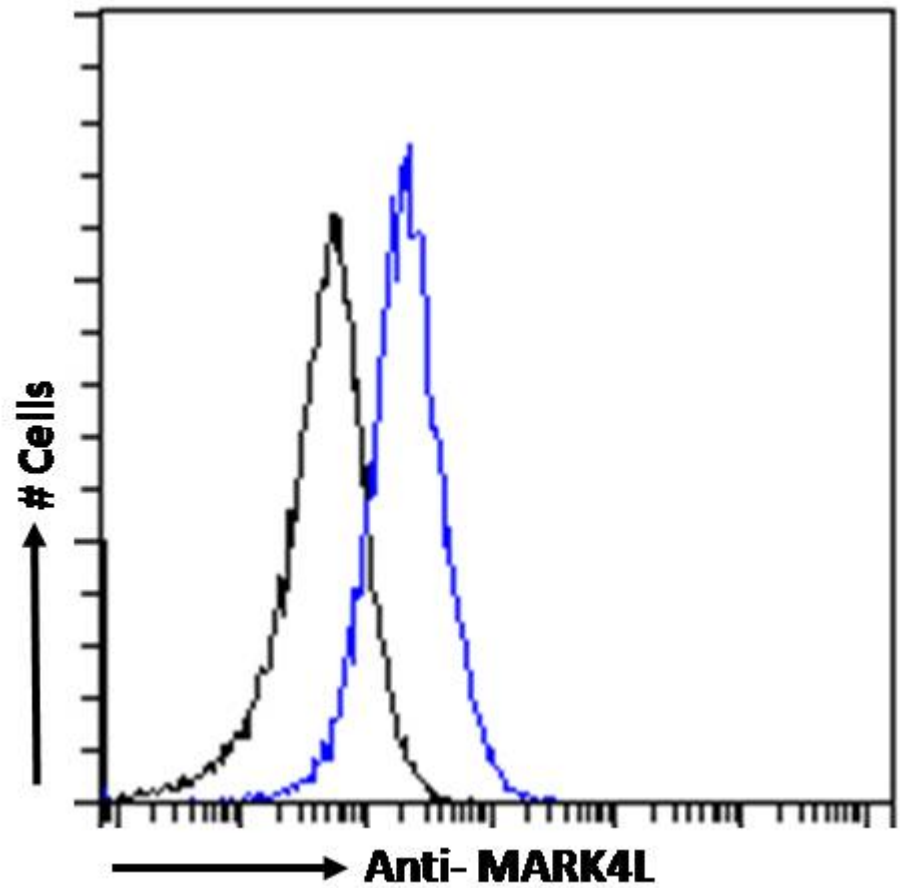
**Expected from sequence similarity:** Human, Mouse



EB05383 (0.3 $\mu$ g/ml) staining of Human Cerebellum lysate (A) + peptide (B), Mouse Brain lysate (C) + peptide (D). (35 $\mu$ g 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.