

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10797 - Goat Anti-MOB2 (aa128-140) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MOB2, HCCA2, HCCA2 protein, mob2 homolog, mps one binder kinase activator-like 2

**Official Symbol:** MOB2

**Accession Number(s):** NP\_001165694.1; NP\_443731.2

**Human GeneID(s):** [81532](#)

**Non-Human GeneID(s):** 101513 (mouse), 499288 (rat)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_001165694.1; NP\_443731.2) only.

### Immunogen

Peptide with sequence DERGKKVKCTAPQ, from the internal region of the protein sequence according to NP\_001165694.1; NP\_443731.2.

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 30kDa band observed in lysates of cell line Jurkat (calculated MW of 30.2kDa according to NP\_001165694.1). Recommended concentration: 0.02-0.06µg/ml. An additional band of unknown identity was also consistently observed at 48kDa. This band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any such results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** In paraffin embedded Human Lung shows staining of smooth muscle cells, vasculature and apical secretory granules in the epithelium of the bronchiole. Recommended concentration: 5-10µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow

### Specific Reference

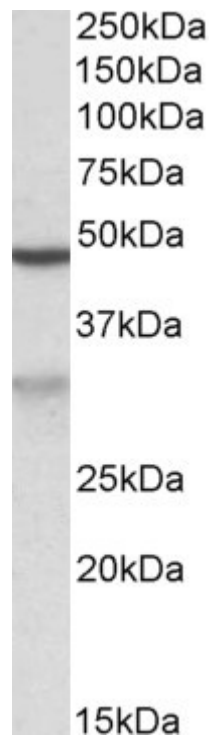
**This antibody has been successfully used in Western blot on Rat:**

Fang KM, Liu YY, Lin CH, Fan SS, Tsai CH, Tzeng SF.

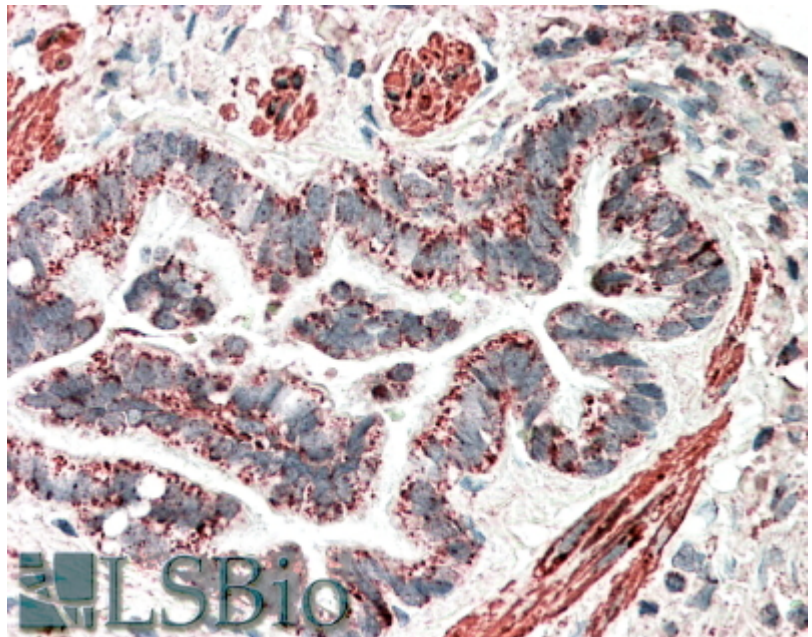
Mps one binder 2 gene upregulation in the stellation of astrocytes induced by cAMP-dependent pathway.

J Cell Biochem. 2012 Sep;113(9):3019-28. doi: 10.1002/jcb.24180.

PMID: 22566124



EB10797 (0.02 $\mu$ g/ml) staining of Jurkat lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10797 (5 $\mu$ g/ml) staining of paraffin embedded Human Lung. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.