

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

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05037 - Goat Anti-EML2 / ELP70 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** echinoderm MT-associated protein (EMAP)-like protein 70, microtubule-associated protein like echinoderm EMAP, EMAP-2, EMAP2, ELP70, echinoderm microtubule associated protein like 2, EML2

**Official Symbol:** EML2

**Accession Number(s):** NP\_036287.1

**Human GeneID(s):** [24139](#)

### Immunogen

Peptide with sequence C-GKDTSVLQWRVV, from the C Terminus of the protein sequence according to NP\_036287.1.

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 1:16000.

**Western blot:** Preliminary experiments gave an approx 55kDa and 48kDa band in human brain and placenta lysates at 1ug/ml, incubation with the immunising peptide blocked the 55kDa band only. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 75kDa according to NP\_036287. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

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

### Background Reference

Eichenmuller B, Everley P, Palange J, Lepley D, Suprenant KA.

The human EMAP-like protein-70 (ELP70) is a microtubule destabilizer that localizes to the mitotic apparatus.

J Biol Chem. 2002 Jan 11;277(2):1301-9. Epub 2001 Nov 02.

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