

## UK Office

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

## EB05253 - Goat Anti-Cortactin / EMS1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** EMS1, CORTACTIN, ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate), Cctn, oncogene EMS1, CTTN, FLJ34459, 1110020L01Rik

**Official Symbol:** CTTN

**Accession Number(s):** NP\_005222.2; NP\_612632.1

**Human GeneID(s):** [2017](#)

**Non-Human GeneID(s):** 13043 (mouse)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_005222.2; NP\_612632.1).

### Immunogen

Peptide with sequence WKASAGHAVSIA-C, from the N Terminus of the protein sequence according to NP\_005222.2; NP\_612632.1.

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 1:32000.

**Western blot:** Approx. 80kDa band observed in Human, Mouse and Rat Brain lysates and in lysates of cell line HEK293 (calculated MW of 61.6kDa according to Human NP\_005222.2 and of 61.2kDa according to Mouse NP\_031829.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Paradis et al, J Cell Sci. 2008 Jun 15;121(Pt 12):1965-72; PMID 18495841).

Recommended concentration: 0.01-0.03µg/ml.

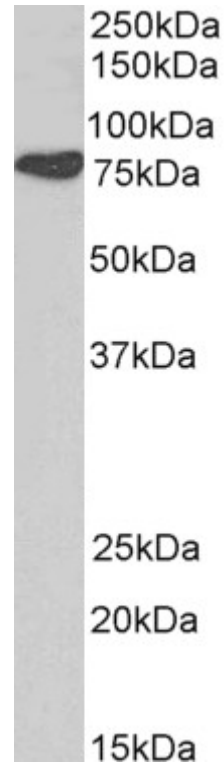
### Species Reactivity

**Tested:** Human, Mouse, Rat

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



EB05253 (0.01 $\mu$ g/ml) staining of Mouse Brain lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB05253 (0.1 $\mu$ g/ml) staining of Human Brain (Cerebellum) lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence



EB05253 (0.03 $\mu$ g/ml) staining of HEK293 cell lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence