

## UK Office

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

## EB07221 - Goat Anti-Hamartin / TSC1 (isoform 1) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** TSC1, hamartin, tuberous sclerosis 1, HGNC:12362, KIAA0243, LAM, MGC86987, TSC, tuberous sclerosis 1 protein, tumor suppressor

**Official Symbol:** TSC1

**Accession Number(s):** NP\_000359.1

**Human GeneID(s):** [7248](#)

**Non-Human GeneID(s):** 64930 (mouse)

**Important Comments:** This antibody is expected to recognise isoform 1 (NP\_000359.1) only.

### Immunogen

Peptide with sequence C-QLHIMDYNETHHEH, from the C Terminus of the protein sequence according to NP\_000359.1.

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 1:128000.

**Western blot:** Approx 150kDa band observed in Human Brain lysates (calculated MW of 130kDa according to NP\_000359.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Miloloza et al Hum Mol Genet. 2000 Jul 22;9(12):1721-7; PMID: 10915759). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Uterus and Liver. Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human

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

EB07221 (0.1µg/ml) staining of Human Brain lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07221 (3.75µg/ml) staining of paraffin embedded Human Uterus. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB07221 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.