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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 GenelD(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.

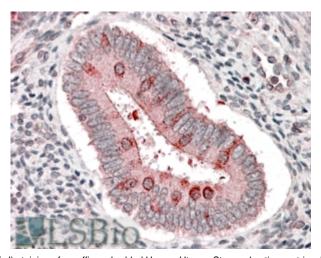
Species Reactivity

Tested: Human

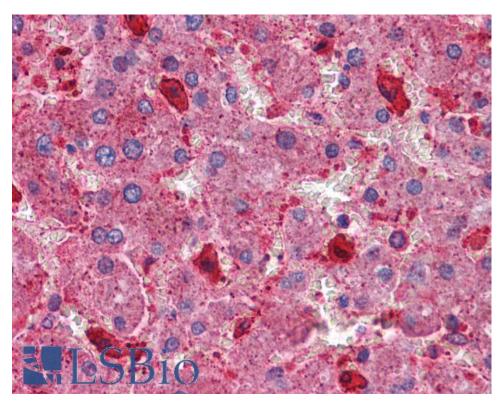
Expected from sequence similarity: Human, Mouse, Rat, Dog

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

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



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



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