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Research Use Only. Not for diagnostic or therapeutic use.

EB12638 - Goat Anti-CAPRIN1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CAPRIN1, cell cycle associated protein 1, GPIAP1, GPIP137, M11S1, RNG105, p137GPI, GPI-anchored membrane protein 1, GPI-anchored protein p137, GPI-p137, RNA granule protein 105, activation/proliferation-associated protein 1, caprin 1,

caprin-1, cell cycle

Official Symbol: CAPRIN1

Accession Number(s): NP_005889.3; NP_976240.1

Human GeneID(s): 4076

Non-Human GenelD(s): 362173 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_005889.3; NP_976240.1).

Immunogen

Peptide with sequence C-EQRPQKEPIDQ, from the internal region of the protein sequence according to NP_005889.3; NP_976240.1.

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.

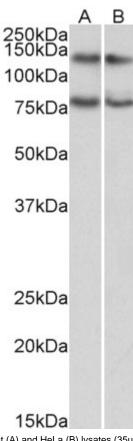
Western blot: Approx 80+140kDa bands observed in lysates of cell line Caco-2, HeLa, Jurkat and K562 (calculated MW of 78.4kDa according to NP_005889.3). The 140kDa band corresponds to the reported p137 (Ellis and Luzio,.PMID: 7657653). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hoiur at room temperature.

IHC: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.

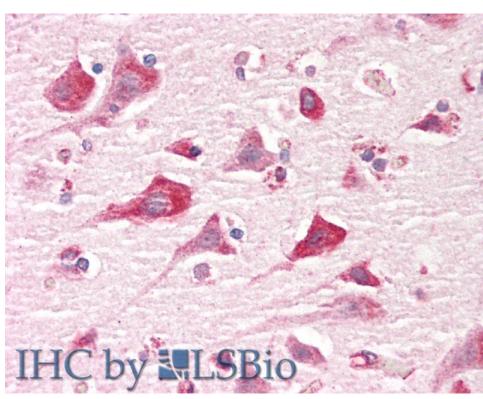
Species Reactivity

Tested: Human

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



EB12638 (0.3μg/ml) staining of Jurkat (A) and HeLa (B) lysates (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB12638 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.