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Research Use Only. Not for diagnostic or therapeutic use.

EB07493 - Goat Anti-S100A4 / CAPL Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: S100A4, CAPL, S100 calcium binding protein A4, 18A2, 42A, MTS1, P9KA, PEL98, S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog), S100 calcium-binding protein A4, S100 calcium-binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog),

malignant transformation suppression 1

Official Symbol: S100A4

Accession Number(s): NP_002952.1; NP_062427.1

Human GeneID(s): 6275

Non-Human GenelD(s): 20198 (mouse), 24615 (rat)

Important Comments: Both variants (NP_002952.1; NP_062427.1) represent identical

protein.

Immunogen

Peptide with sequence CNEFFEGFPDKQP, from the C Terminus of the protein sequence according to NP_002952.1; NP_062427.1.

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 13kDa band observed in Human Peripheral blood mononuclear cells lysates (calculated MW of 11.7kDa according to NP_002952.1). Recommended concentration: 0.05-0.2µg/ml. Primary incubation was 1 hour.

IHC: In paraffin embedded Human Small Intestine shows staining of lymphatic cells in the lamina propria. Recommended concentration: 1-2µg/ml.

Species Reactivity

Tested: Human

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

Specific Reference

This antibody (previous batch) has been successfully used in Western blot on Human:

Rasanen K, Sriswasdi S, Valiga A, Tang HY, Zhang G, Perego M, Somasundaram R, Li L, Speicher K, Klein-Szanto AJ, Basu D, Rustgi AK, Speicher DW, Herlyn M.

Comparative secretome analysis of epithelial and mesenchymal subpopulations of head and neck squamous cell carcinoma identifies S100A4 as a potential therapeutic target.

Mol Cell Proteomics. 2013 Dec;12(12):3778-92.

PMID: 24037664

250kDa 150kDa 100kDa 75kDa 50kDa

37kDa

25kDa

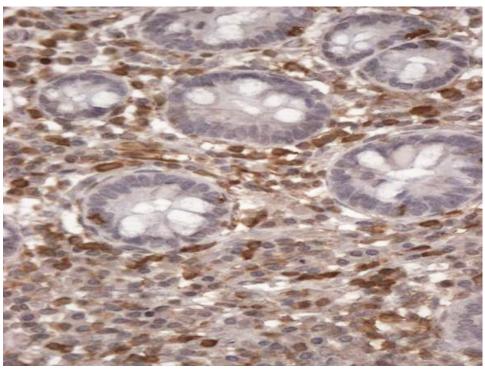
20kDa

15kDa

10kDa

EB07493 (0.05μg/ml) staining of Peripheral blood mononuclear cells lysate (35μg protein in RIPA buffer).

Detected by chemiluminescence.



EB07493 (2µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.