

## UK Office

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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 GeneID(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

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.