

## Goat anti-S100A4 / CAPL Antibody

<b>Item Number</b>	dAP-0969
<b>Target Molecule</b>	Principle Name: S100A4 / CAPL; Official Symbol: S100A4; All Names and Symbols: 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 pr; Accession Number (s): NP_002952.1; NP_062427.1; Human Gene ID (s): 6275; Non-Human GeneID(s): 20198 (mouse) 24615 (rat)
<b>Immunogen</b>	CNEFFEGFPDKQP, is from C Terminus Both variants (NP_002952.1; NP_062427.1) represent identical protein.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	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.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Small Intestine shows staining of lymphatic cells in the lamina propria. Recommended concentration: 1-2µg/ml.
<b>Reference</b>	Reference(s): Li ZH, Bresnick AR. The S100A4 metastasis factor regulates cellular motility via a direct interaction with myosin-IIA. Cancer Res. 2006 May 15;66(10):5173-80. PMID: 16707441 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**