

**Anti-S100A4 Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AP53395**

**Specification**

---

**Anti-S100A4 Antibody - Product Information**

Application	<b>IP, WB</b>
Primary Accession	<a href="#">P26447</a>
Other Accession	<a href="#">NM_002961</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Immunogen	<b>Recombinant human S100A4 protein.</b>
Purification	<b>Affinity purified</b>
Calculated MW	<b>12 KDa</b>

**Anti-S100A4 Antibody - Additional Information**

**Gene ID** 6275

**Other Names**

18A2; 42A; calcium Placental protein; Calvasculin; CAPL; Fibroblast specific protein 1; Fibroblast specific protein; FSP1; Leukemia multidrug resistance associated protein; Malignant transformation suppression 1; Metastasin; MTS1; OTTHUMP00000015467; OTTHUMP00000015468; P9KA; PEL98; Placental calcium-binding protein; Protein Mts1; Protein S100 A4; Protein S100-A4; S100 calcium binding protein A4 (calcium protein, calvasculin, metastasin, murine placental homolog); S100 calcium binding protein A4; S100 calcium-binding protein A4; S100a4; S10A4\_HUMAN.

**Dilution**

WB~~1:500

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-S100A4 Antibody - Protein Information**

**Name** S100A4

**Synonyms** CAPL, MTS1

**Function**

Calcium-binding protein that plays a role in various cellular processes including motility, angiogenesis, cell differentiation, apoptosis, and autophagy (PubMed:<a

href="http://www.uniprot.org/citations/16707441" target="\_blank">16707441</a>, PubMed:<a href="http://www.uniprot.org/citations/23752197" target="\_blank">23752197</a>, PubMed:<a href="http://www.uniprot.org/citations/30713770" target="\_blank">30713770</a>). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed:<a href="http://www.uniprot.org/citations/16707441" target="\_blank">16707441</a>). Mechanistically, promotes filament depolymerization and increases the amount of soluble myosin-IIA, resulting in the formation of stable protrusions facilitating chemotaxis (By similarity). Modulates also the pro-apoptotic function of TP53 by binding to its C-terminal transactivation domain within the nucleus and reducing its protein levels (PubMed:<a href="http://www.uniprot.org/citations/23752197" target="\_blank">23752197</a>). Within the extracellular space, stimulates cytokine production including granulocyte colony-stimulating factor and CCL24 from T-lymphocytes (By similarity). In addition, stimulates T-lymphocyte chemotaxis by acting as a chemoattractant complex with PGLYRP1 that promotes lymphocyte migration via CCR5 and CXCR3 receptors (PubMed:<a href="http://www.uniprot.org/citations/26654597" target="\_blank">26654597</a>, PubMed:<a href="http://www.uniprot.org/citations/30713770" target="\_blank">30713770</a>).

**Cellular Location**

Secreted. Nucleus Cytoplasm {ECO:0000250|UniProtKB:P07091}

**Tissue Location**

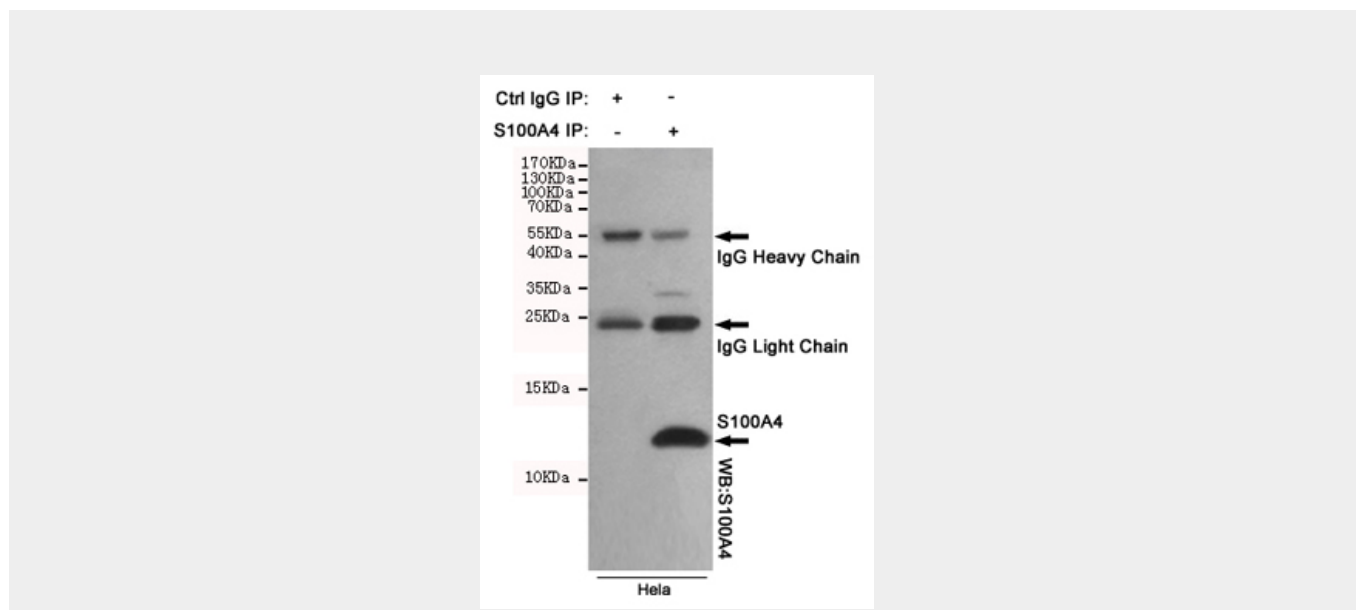
Ubiquitously expressed.

**Anti-S100A4 Antibody - Protocols**

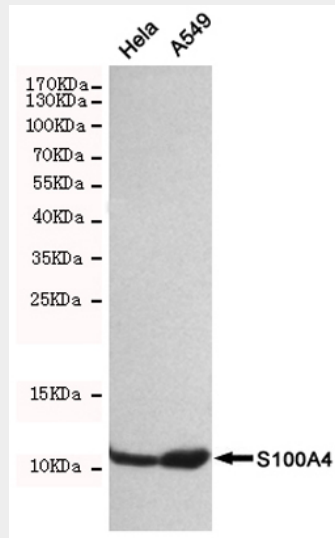
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-S100A4 Antibody - Images**



Immunoprecipitation analysis of Hela cell lysates using S100A4 mouse mAb.



Western blot detection of S100A4 in Hela and A549 cell lysates using S100A4 mouse mAb(dilution 1:500).Predicted band size:12kDa.Observed band size:12kDa.