

S100A4 Rabbit mAb
Catalog # AP78516**Specification**

S100A4 Rabbit mAb - Product Information

Application	WB, IHC-P, FC, IP, ICC
Primary Accession	P26447
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody

S100A4 Rabbit mAb - Additional Information**Gene ID** 6275**Other Names**
S100A4**Dilution**
WB~~1:1000
IHC-P~~N/A
FC~~1:10~50
IP~~N/A
ICC~~N/A**Format**
10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**S100A4 Rabbit mAb - 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: [16707441](http://www.uniprot.org/citations/16707441), PubMed: [23752197](http://www.uniprot.org/citations/23752197), PubMed: [30713770](http://www.uniprot.org/citations/30713770)). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed: [16707441](http://www.uniprot.org/citations/16707441)). Mechanistically, promotes filament depolymerization and increases the amount of soluble myosin-IIA, resulting in the formation of stable protrusions facilitating chemotaxis (By similarity). Also modulates the pro-apoptotic function of TP53 by

binding to its C-terminal transactivation domain within the nucleus and reducing its protein levels (PubMed:23752197). 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:26654597, PubMed:30713770).

Cellular Location

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

Tissue Location

Ubiquitously expressed.

S100A4 Rabbit mAb - 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](#)

S100A4 Rabbit mAb - Images