

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**Format**
Liquid**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). 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: [23752197](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/26654597), PubMed: [30713770](http://www.uniprot.org/citations/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