

S100A4 Rabbit mAb

Catalog # AP78516

Specification

S100A4 Rabbit mAb - Product Information

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

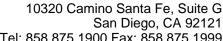
S100A4 Rabbit mAb - Protein Information

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, PubMed:23752197, PubMed:30713770). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed: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-





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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 Cytomety
- Cell Culture

S100A4 Rabbit mAb - Images