

# S100A4 Rabbit mAb

Catalog # AP78516

## Product Information

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Application	WB, IHC-P, FC, IP, ICC
Primary Accession	<a href="#">P26447</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	11729

## Additional Information

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Gene ID	6275
Other Names	S100A4
Dilution	WB~~1/500-1/1000 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.

## Protein Information

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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="#">16707441</a> , PubMed: <a href="#">23752197</a> , PubMed: <a href="#">30713770</a> ). Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (PubMed: <a href="#">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). 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: <a href="#">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="#">26654597</a> , PubMed: <a href="#">30713770</a> ).

<b>Cellular Location</b>	Secreted. Nucleus Cytoplasm {ECO:0000250 UniProtKB:P07091}
<b>Tissue Location</b>	Ubiquitously expressed.

## Images

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