

S100A4 Rabbit mAb

Catalog # AP76046

Product Information

Application	WB, IHC-P, IHC-F, IP, ICC
Primary Accession	P26447
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	11729

Additional Information

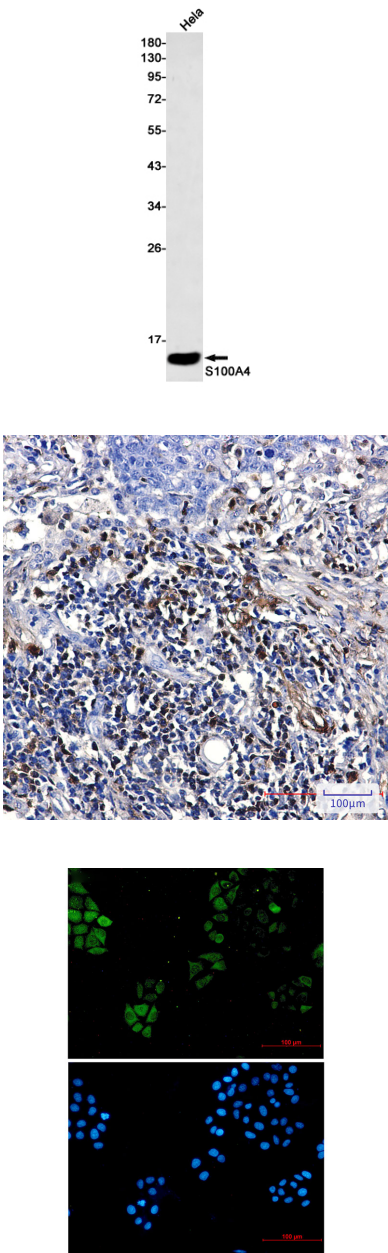
Gene ID	6275
Other Names	S100A4
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A IP~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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- 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.

Images



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