

Polyclonal Antibody to S100 Calcium Binding Protein A4 (S100A4)

S100 Calcium Binding Protein A4
Catalog # AP74640

Product Information

Application	WB
Primary Accession	P35466
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11807

Additional Information

Gene ID	282343
Other Names	S100-A4; MTS1; 18A2; 42A; CAPL; P9KA; PEL98; Calcium protein; Calvasculin; Metastasin; Protein Mts1; Placental calcium-binding protein; Murine placental homolog
Target/Specificity	Bos taurus; Bovine (Cattle)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

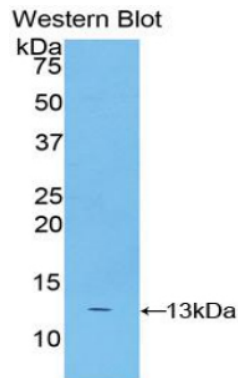
Name	S100A4
Synonyms	CAPL
Function	Calcium-binding protein that plays a role in various cellular processes including motility, angiogenesis, cell differentiation, apoptosis, and autophagy. Increases cell motility and invasiveness by interacting with non-muscle myosin heavy chain (NMMHC) IIA/MYH9 (By similarity). 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 (By similarity). 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 (By similarity).

Cellular Location

Secreted {ECO:0000250|UniProtKB:P26447}. Nucleus {ECO:0000250|UniProtKB:P26447}. Cytoplasm {ECO:0000250|UniProtKB:P07091}

Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.