

Recombinant Anti-S100-A6 Rabbit mAb

Catalog # AP95012

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	P06703
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	10180

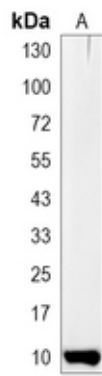
Additional Information

Gene ID	6277
Other Names	CACY; Protein S100-A6; Calcyclin; Growth factor-inducible protein 2A9; MLN 4; Prolactin receptor-associated protein; PRA; S100 calcium-binding protein A6
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human S100-A6 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

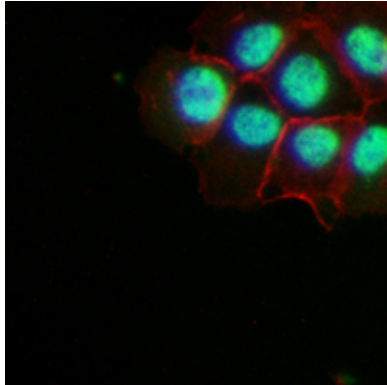
Protein Information

Name	S100A6
Synonyms	CACY
Function	May function as calcium sensor and modulator, contributing to cellular calcium signaling. May function by interacting with other proteins, such as TPR-containing proteins, and indirectly play a role in many physiological processes such as the reorganization of the actin cytoskeleton and in cell motility. Binds 2 calcium ions. Calcium binding is cooperative.
Cellular Location	Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side

Images



Western blot analysis of S100-A6 expression in HeLa (A) whole cell lysates. (Predicted band size: 10 kD; Observed band size: 10 kD)



Immunofluorescent analysis of S100-A6 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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