

S100 alpha 6 Rabbit mAb

Catalog # AP76701

Product Information

Application	WB, FC
Primary Accession	P06703
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	10180

Additional Information

Gene ID	6277
Other Names	S100A6
Dilution	WB~~1:1000 FC~~1:10~50
Format	Liquid in 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	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

Background

S100A6 (calcylin) is involved in a number of cellular processes, including exocytosis and cell cycle

regulation. In addition, S100A6 interacts with a number of proteins such as SIP, GAPDH, and annexins in a calcium-dependent fashion. Research studies demonstrate that a down regulation of corresponding S100A6 gene expression causes a decrease in cell proliferation.

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