

Anti-S100 Alpha 6 Picoband Antibody

Catalog # ABO12362

Product Information

Application	WB, IHC, IHC-P, IC, ICC
Primary Accession	P06703
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Protein S100-A6(S100A6) detection. Tested with WB, IHC-P in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	6277
Other Names	Protein S100-A6, Calcyclin, Growth factor-inducible protein 2A9, MLN 4, Prolactin receptor-associated protein, PRA, S100 calcium-binding protein A6, S100A6, CACY
Calculated MW	10180
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Rat
Subcellular Localization	Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side.
Source	Eukaryota
Protein Name	Protein S100-A6
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human S100 alpha 6 recombinant protein (Position: M1-G90). Human S100 alpha 6 shares 96.6% and 95.5% amino acid (aa) sequence identity with mouse and rat S100 alpha 6, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

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

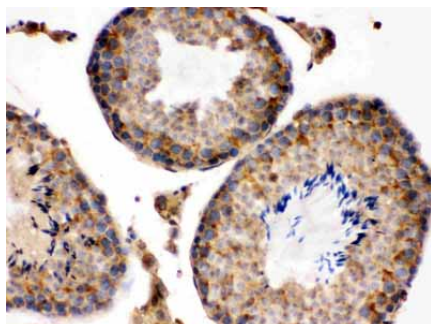
Background

S100 calcium-binding protein A6 (S100A6) is a protein that in humans is encoded by the S100A6 gene. The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. And S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in stimulation of Ca²⁺-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in melanoma.

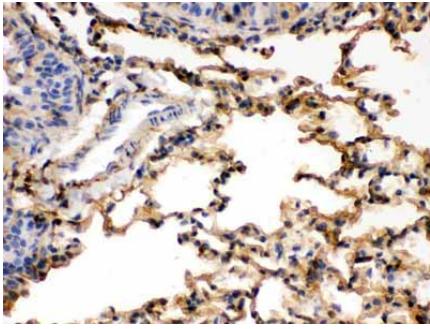
Images



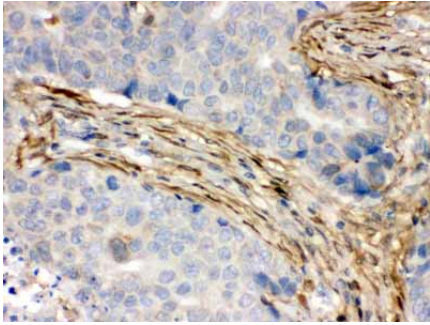
Anti- S100 alpha 6 Picoband antibody, ABO12362,
Western blotting All lanes: Anti S100 alpha 6 (ABO12362)
at 0.5ug/mL Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2:
A431 Whole Cell Lysate at 40ug Predicted bind size:
10KD Observed bind size: 10KD



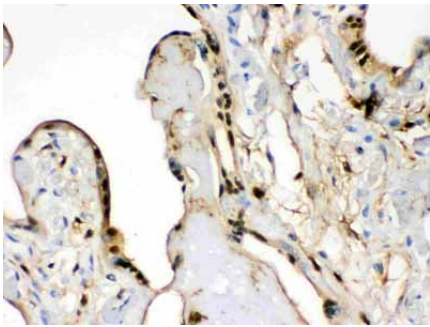
Anti- S100 alpha 6 Picoband antibody, ABO12362,
IHC(P) IHC(P): Mouse Testis Tissue



Anti- S100 alpha 6 Picoband antibody, ABO12362,
IHC(P)IHC(P): Rat Lung Tissue



Anti- S100 alpha 6 Picoband antibody, ABO12362,
IHC(P)IHC(P): Human Mammary Cancer Tissue



Anti- S100 alpha 6 Picoband antibody, ABO12362,
IHC(P)IHC(P): Human Placenta Tissue

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