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Anti-S100 Alpha 6 Picoband Antibody

Catalog # ABO12362

Specification

Anti-S100 Alpha 6 Picoband Antibody - Product Information

Application	**WB, IHC**
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.

Anti-S100 Alpha 6 Picoband Antibody - 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 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization
Nucleus envelope. Cytoplasm. Cell membrane; Peripheral membrane protein; Cytoplasmic side.

Protein Name
Protein S100-A6

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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.**

Anti-S100 Alpha 6 Picoband Antibody - 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

Anti-S100 Alpha 6 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-S100 Alpha 6 Picoband Antibody - Images

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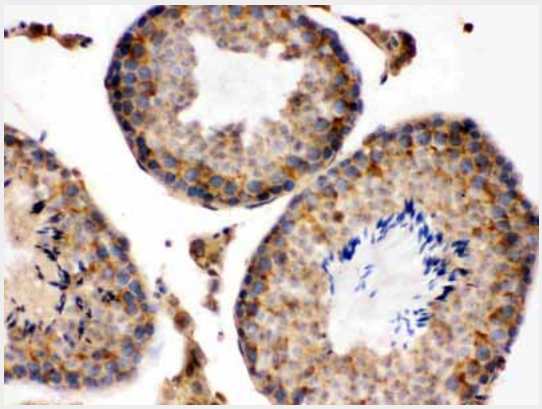
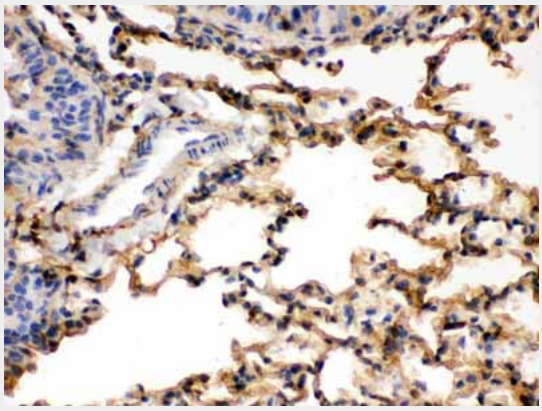
Anti- S100 alpha 6 Picoband antibody, ABO12362, Western blottingAll lanes: Anti S100 alpha 6 (ABO12362) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: A431 Whole Cell Lysate at 40ugPredicted bind size: 10KDObserved bind size: 10KD



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

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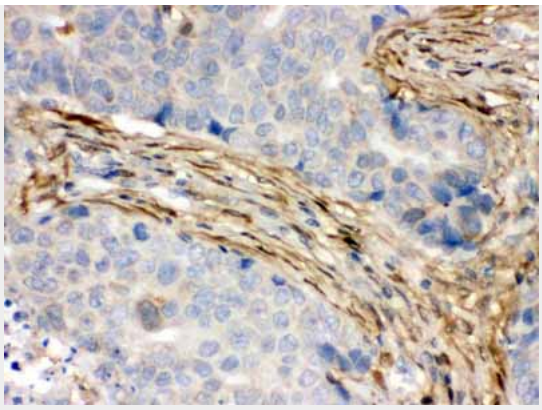
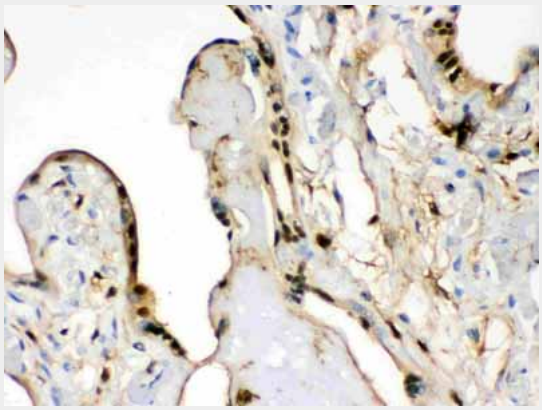


Anti- S100 alpha 6 Picoband antibody, ABO12362, IHC(P)IHC(P): Human Mammary Cancer Tissue



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

Anti-S100 Alpha 6 Picoband Antibody - 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.