

Datasheet for ABIN3043319

anti-S100A11 antibody (AA 2-105)



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1 Image

Overview

Quantity:	100 µg
Target:	S100A11
Binding Specificity:	AA 2-105
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100A11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-S100A11 Antibody Picoband®
Immunogen:	E. coli-derived human S100A11 recombinant protein (Position: A2-T105). Human S100A11 shares 86.7% amino acid (aa) sequence identity with both mouse and rat S100A11.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-A11 Antibody Picoband® (ABIN3043319). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	S100A11
Alternative Name:	S100A11 (S100A11 Products)
Background:	Synonyms: Protein S100-A11, Calgizzarin, Metastatic lymph node gene 70 protein, MLN 70, Protein S100-C, S100 calcium-binding protein A11, Protein S100-A11, N-terminally processed, S100A11, MLN70, S100C, Tissue Specificity: Overexpressed in bladder cancer cells (PubMed:17409436). . Background: S100 calcium-binding protein A11 (S100A11) is a protein that in humans is encoded by the S100A11 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 motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis.
Molecular Weight:	15 kDa
Gene ID:	6282
UniProt:	P31949
Pathways:	S100 Proteins

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human 1. "Entrez Gene: S100A11 S100 calcium binding protein A11". 2. Sakaguchi, M., Sonogawa, H., Murata, H., Kitazoe, M., Futami, J., Kataoka, K., Yamada, H., Huh, N. S100A11, an (sic) dual mediator for growth regulation of human keratinocytes. Molec. Biol. Cell 19: 78-85, 2008. 3. Wicki R, Marenholz I, Mischke D, Schäfer BW, Heizmann CW (March 1997). "Characterization of the human S100A12 (calgranulin C, p6, CAAF1, CGRP) gene, a new member of the S100 gene cluster on chromosome 1q21". Cell Calcium 20 (6): 459-64.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Observed bind size: 15KD