



S10A2 Monoclonal Antibody

Catalog No	BYmab-05990
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	S100A2 S100L
Protein Name	Protein S100-A2 (CAN19) (Protein S-100L) (S100 calcium-binding protein A2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 40-120
Specificity	S10A2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	10kD
Cell Pathway	
Tissue Specificity	A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes.
Function	developmental stage:Preferentially expressed in normal human mammary epithelial cells as opposed to tumor-derived ones. The level of S100L was shown to correlate inversely with tumor progression.,function:May act as a modulator against excess calcium accumulation in normal human mammary epithelial cells. May also play a role in suppressing tumor cell growth.,induction:By growth factors in early G1 phase and probably by cell-cycle regulation in S phase. DNA methylation probably plays a direct negative role in suppressing S100L gene expression in tumor cells.,miscellaneous:This protein binds two calcium ions.,similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains.,tissue specificity:A subset of epithelial cells including normal human mammary epithelial cells and keratinocytes.,

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Background

S100 calcium binding protein A2(S100A2) Homo sapiens 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. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer. [provided by RefSeq, Jul 2008],

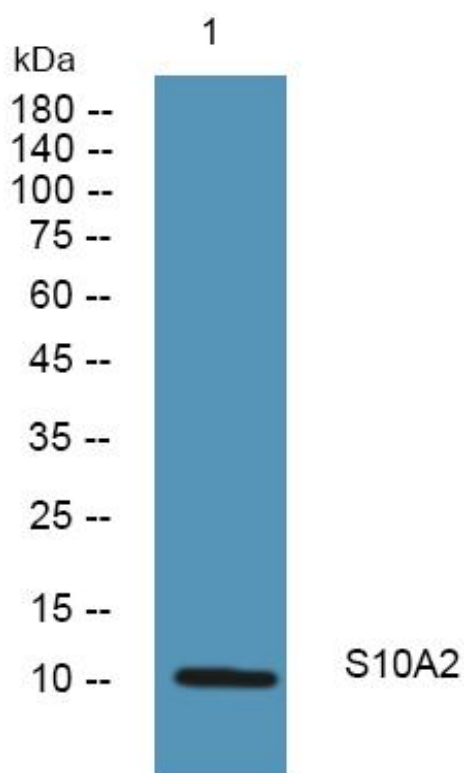
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using S10A2 Monoclonal Antibody