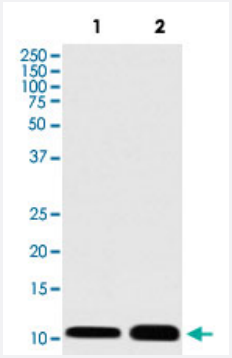
S100A1 monoclonal antibody, clone ABCF-19

Catalog # MAB20686 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: human skeletal muscle tissue and Lane 2: RAW 2647 cell lysates with S100A1 monoclonal antibody, clone ABCF-19 (Cat # MAB20686).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human S100A1.
Immunogen	A synthetic peptide corresponding to human S100A1.
Host	Rabbit
Theoretical MW (kDa)	10.546
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50) Immunohistochemistry (1:100-1:500) Immunoprecipitation (1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Flow Cytometry
- Immunoprecipitation
- Western Blot

Western Blot analysis of Lane 1: human skeletal muscle tissue and Lane 2: RAW 2647 cell lysates with S100A1 monoclonal antibody, clone ABCF-19 (Cat # MAB20686).

Gene Info — S100A1

Entrez GeneID	6271
Protein Accession#	P23297
Gene Name	S100A1
Gene Alias	S100, S100-alpha, S100A
Gene Description	S100 calcium binding protein A1
Omim ID	176940
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-han d calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide ra nge of cells, and involved in the regulation of a number of cellular processes such as cell cycle pro gression and differentiation. S100 genes include at least 13 members which are located as a clus ter on chromosome 1q21. This protein may function in stimulation of Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies. [provided by RefSe q

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Other Designations	OTTHUMP00000035100|S100 alpha|S100 calcium-binding protein A1|S100 protein, alpha polypeptide

Disease

- Breast cancer
- Breast Neoplasms
- Dermatitis
- DNA Damage
- Genetic Predisposition to Disease

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