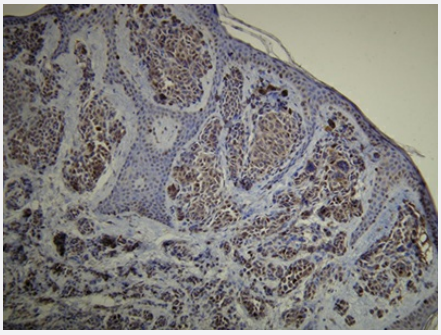
S100A1 monoclonal antibody, clone D28-E

Catalog # MAB23268 Size 7 mL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with S100A1 monoclonal antibody, clone D28-E (Cat # MAB23268)

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human S100A1.
Immunogen	A synthetic peptide corresponding to C-terminus of human S100A1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Immunoaffinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM Tris-HCl, pH 8.0
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human melanoma with S100A1 monoclonal antibody, clone D28-E (Cat # MAB23268)

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-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 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 RefSeq
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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