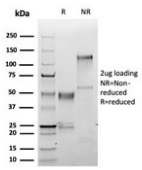
S100A1 Antibody [clone S100A1/6374R] (V5516)

Catalog No.	Formulation	Size
V5516-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5516-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5516SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	S100A1/6374R
Purity	Protein A/G affinity
UniProt	P23297
Localization	Cytoplasm
Applications	Immunofluorescence : 1-3ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This S100A1 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free S100A1 antibody (clone S100A1/6374R) as confirmation of integrity and purity.

Description

S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family.

S100A is composed of an alpha and a beta chain whereas S100B is composed of two beta chains. This antibody is specific against an epitope located on the alpha-chain (i.e. in S-100A and S-100B) but not on the beta-chain of S-100 (i.e. in S-100B). This antibody can be used to localize S-100A in various tissue sections. S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, epithelial and myoepithelial cells of the breast, salivary and sweat glands. Neoplasms derived from these cells also express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein.

Application Notes

Optimal dilution of the S100A1 antibody should be determined by the researcher.

Immunogen

Purified human S-100 protein was used as the immunogen for the S100A1 antibody.

Storage

Aliquot the S100A1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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