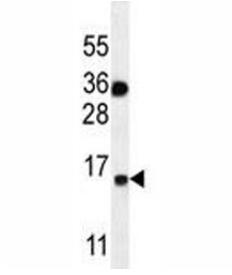
S100A1 Antibody (F41686)

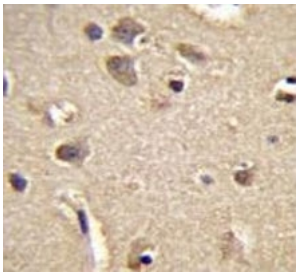
Catalog No.	Formulation	Size
F41686-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41686-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P23297
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This S100A1 antibody is available for research use only.



S100A1 antibody western blot analysis in MDA-MB435 lysate. Predicted molecular weight: 12-15 kDa.



S100A1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.

Description

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.

Application Notes

Titration of the S100A1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 45-75 from the human protein was used as the immunogen for this S100A1 antibody.

Storage

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

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