

S-100 Alpha Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08072
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human S100 A1. AA range:10-59
Mol wt	10546
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	S-100 alpha Antibody
Synonyms	S100A1; S100A; Protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Protein S100-A1 encoded by S100A1 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.

Recommended Dilution

WB: 1: 500 - 1: 2000

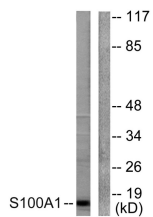
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

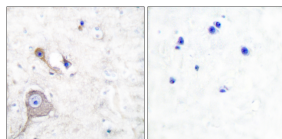
ELISA: 1: 20000

Not yet tested in other applications.

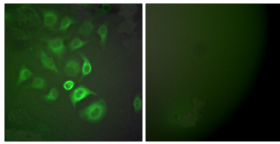
Images



Western blot analysis of lysates from A549 cells, using S100 A1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using S100 A1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of A549 cells, using S100 A1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using S-100 α Polyclonal Antibody

Storage

-20°C for one year

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