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anti-S100A1 antibody

2 Images



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Overview

Quantity:	100 μL
Target:	S100A1
Reactivity:	Human, Mouse, Rat, Cow, Chicken, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human S100A1
Isotype:	IgG
Cross-Reactivity:	Chicken, Cow, Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	S100A1
Alternative Name:	S-100/S100A1 (S100A1 Products)
Background:	Synonyms: S-100 protein alpha subunit, S-100 protein alpha chain, Protein S100-A1, S100 calcium-binding protein A1, S100 alpha, Protein S100-A1, S-100 protein alpha chain, S-100
	protein subunit alpha, S100, S100 Calcium Binding Protein A1, S100 calcium-binding protein A1,

S100 protein alpha polypeptide, S100A, S100A1, S10A1_HUMAN.

Background: S-100 is group of solubilities, the relatively low molecular mass, the high acidic protein, is the neuroglia cell specificity protein, may also exist in the nerve fiber. In the research intestines nervous system's shape characteristic and the structural feature, S-100 has the good expressive function. The S-100 protein its physiological action was not still clear, possible and in the cell the calcium ion medium's control action concerns. The S-100 protein may exist in the neurinoma, becomes the cartilage cytoma, the chondrosarcoma, the osteosarcoma, the neuroglia lump, Lang Gehan the Si cytoma, some cancers and the melanocyte cell tumor and so on. In the immunity group, damages except the malignant melanoma skin, the S-100 protein also increases in the benign melanocyte cell mole, for example: The blue nevus, the ordinary day after tomorrow mole, the freckle type mole, the Spitz mole, the gas globuli cell mole, the pigment spindle-shaped cell mole and in the maldevelopment mole will express. Also has reported that the S-100 protein's dyeing intensity and tumour cell's melanocyte content assumes the inverse correlation. The knot contracts the organization proliferative or kisses the nerve the melanoma undyeable color. SUBUNIT: Dimer of either two alpha chains, or two beta chains, or one alpha and one beta chain.

Molecular Weight:	10kDa
Gene ID:	6271
Pathways:	Regulation of Muscle Cell Differentiation, Toll-Like Receptors Cascades, S100 Proteins

Application Details

Application Notes:	WB(1:100-500)
	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

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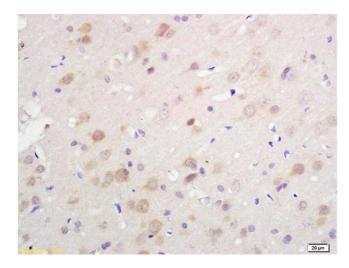
Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

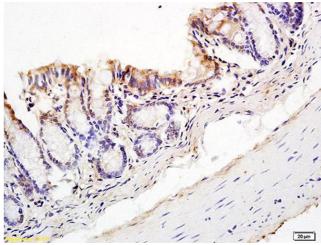
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain tissue labeled with Anti S-100/S100A1 Polyclonal Antibody, Unconjugated (ABIN728983) at 1:200 followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse colon tissue labeled with Anti S-100/S100A1 Polyclonal Antibody, Unconjugated (ABIN728983) at 1:200 followed by conjugation to the secondary antibody and DAB staining.