

Datasheet for ABIN7430381
anti-S100 Protein (S100) (AA 1-94) antibody

3 Images

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Overview

Quantity:	100 µL
Target:	S100 Protein (S100)
Binding Specificity:	AA 1-94
Reactivity:	Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to S100 Calcium Binding Protein (S100)
Immunogen:	Recombinant S100 Calcium Binding Protein (S100) corresponding to Met1~Ser94 (Accession # P02639) with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against S100. It has been selected for its ability to recognize S100 in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	S100 Protein (S100)
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Target Details

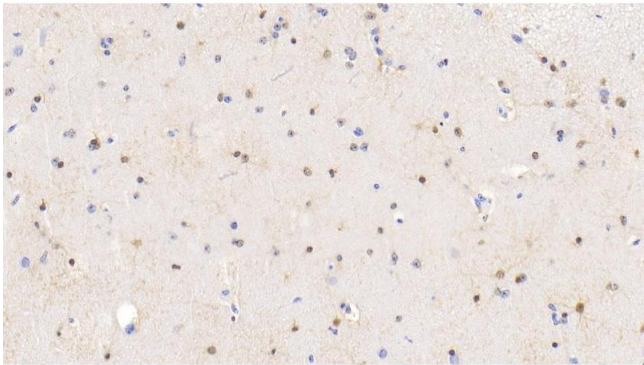
Alternative Name:	S100 Calcium Binding Protein (S100 Products)
Background:	S100-A1, S100A1, S100-Alpha, S-100 Protein, S-100 protein subunit alpha, S-100 protein alpha chain
Pathways:	Regulation of Muscle Cell Differentiation , Toll-Like Receptors Cascades , S100 Proteins

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

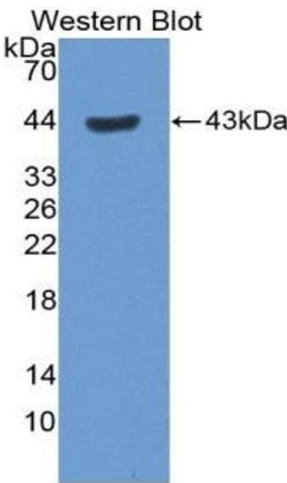
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



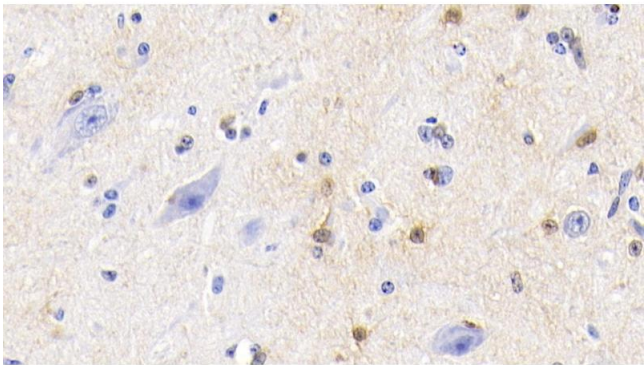
Immunohistochemistry

Image 1. Detection of S100 in Bovine Cerebrum Tissue using Polyclonal Antibody to S100 Calcium Binding Protein (S100)



Western Blotting

Image 2. Detection of Recombinant S100, Bovine using Polyclonal Antibody to S100 Calcium Binding Protein (S100)



Immunohistochemistry

Image 3. Detection of S100 in Bovine Cerebellum Tissue using Polyclonal Antibody to S100 Calcium Binding Protein (S100)