

S100 Rabbit pAb

CatalogNo: YN5481

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,IHC,IF

MW

- 15kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

IHC 1:100-1:300

ELISA 1:40000

IF 1:50-200

Storage

Storage*

-15°C to -25°C/1 year(Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Recombinant Protein of S100

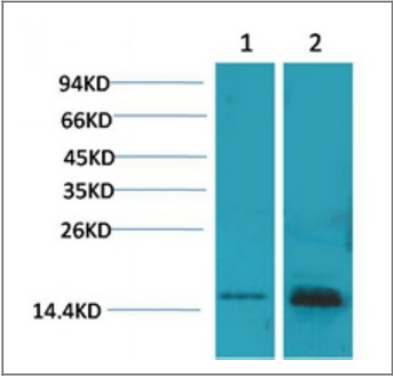
Specificity

The antibody detects endogenous S100 protein

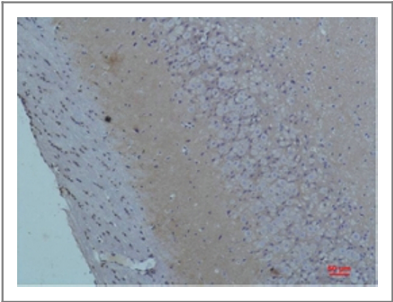
Target Information

Gene name	S100A1		
Protein Name	Protein S100-A1 (S-100 protein alpha chain) (S-100 protein subunit alpha) (S100 calcium-binding protein A1)		
	Organism	Gene ID	UniProt ID
	Human	6271 ;	P23297 ;
	Mouse		P56565 ;
	Rat		P35467 ;
Cellular Localization	Cytoplasm . Sarcoplasmic reticulum . Mitochondrion .		
Tissue specificity	Highly prevalent in heart (PubMed:12804600, PubMed:1384693). Also found in lesser quantities in skeletal muscle and brain (PubMed:1384693).		
Function	Function:Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites.,similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains.,subunit:Dimer of either two alpha chains, or two beta chains, or one alpha and one beta chain.,tissue specificity:Highly prevalent in heart. Also found in lesser quantities in skeletal muscle and brain.,		

Validation Data



Western blot analysis of 1) 293T, 2) Mouse Brain Tissue with S100 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using S100Rabbit pAb diluted at 1:200.

| Contact information

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S100 Rabbit pAb

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