



## S-100 $\alpha$ Antibody

E20-75732

**Catalog No:**E20-75732

**Applications:**WB,IHC-p,ELISA

**Reactivity:**Human,Mouse,Rat

**Gene Name:**S100A1

**Protein Name:**Protein S100-A1

**Human Gene Id:**6271

**Human Swiss Prot No:**P23297

**Mouse Gene Id:**20193

**Mouse Swiss Prot No:**P56565

**Rat Swiss Prot No:**P35467

**Immunogen:**The antiserum was produced against synthesized peptide derived from the Internal region of human S100A1. AA range:1-50

**Specificity:**S-100  $\alpha$  Polyclonal Antibody detects endogenous levels of S-100  $\alpha$  protein.

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

**Source:**Rabbit

**Dilution:**Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.

**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration:**1 mg/ml

**Storage Stability:**-20°C/1 year

**Other Names:**S100A1; S100A; Protein S100-A1; S-100 protein alpha chain; S-100 protein subunit alpha; S100 calcium-binding protein A1

**Observed Band (KD):**10

**Background:**S100 calcium binding protein A1(S100A1) Homo sapiens The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand

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calcium-binding motifs.

**Function:**function:Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer.

**Subcellular Location:**nucleus,sarcoplasmic reticulum,Z disc,M band,neuron projection, protein complex.

**Expression:** Caudate nucleus,Heart,Skin.

