

S100 Recombinant antibody

Cat:B32074R
Company: Haokebio

Uniprot ID:P04271

Applications: IHC:1:100-1:200

Organism:Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

S100 protein is an acidic calcium-binding protein with a molecular weight of 21 kDa. It is renowned for its 100% solubility in saturated ammonium sulfate and is widely distributed in astrocytes of the central nervous system (CNS) as well as in the corresponding tumor cells. S100 protein exists in three forms composed of α and β subunits: S100 $\alpha\alpha$ (S100A1), S100 $\beta\beta$ (S100B), and S100 $\alpha\beta$. Among these, S100B specifically exists at high concentrations in glial cells (including astrocytes, oligodendrocytes, microglia, and macroglia) of the CNS, as well as in anterior pituitary cells and Langerhans cells. Additionally, it is also prominently distributed in most sensory nerves of the brainstem and the cerebellar nuclei of the cerebellum. As a brain-specific protein, S100B plays an important role in the pathophysiological changes following central nervous system injury.

Protein full name:

S100 calcium binding protein B

Synonyms:

S100 beta, 1E2, Protein S100 B, Protein S100-B, S100 calcium-binding protein B

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Cytoplasm, Nucleus

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

 PBS with 0.02% sodium azide, 100 μ g/ml BSA and 50% glycerol.

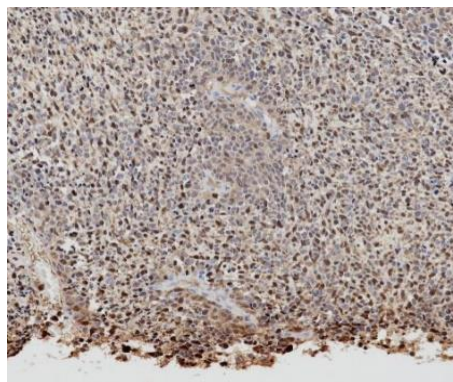
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Human melanoma tissue, 4% PFA 12-24h

Source of Reagents:

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