

## S100B Polyclonal Antibody

**Catalog No.** E-AB-40225

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

### Description

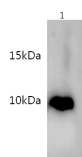
<b>Reactivity</b>	Rat
<b>Immunogen</b>	Recombinant Rat Protein S100-B protien
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.

### Applications Recommended Dilution

**WB:1:200-1:500 IHC**

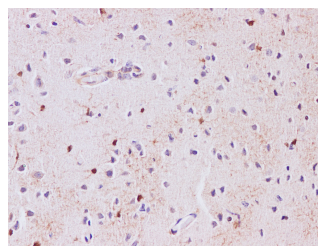
**1:50-1:200**

### Data



Western blot with anti-S100B polyclonal Antibody at dilution of 1:500.lane 1: Rat brain tissue

**Observed Mw:10kDa**  
**Calculated Mw:10kDa**



Immunohistochemistry of paraffin-embedded Rat brain using S100b Polyclonal Antibody at dilution of 1:200

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca<sup>2+</sup> fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes.

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