

S100B Polyclonal Antibody

catalog number: E-AB-70296

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

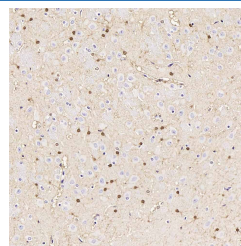
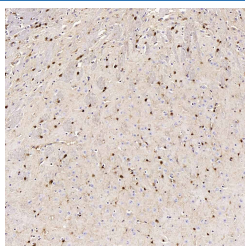
Description

| | |
|---------------------|---|
| Reactivity | Mouse;Rat |
| Immunogen | KLH conjugated Synthetic peptide corresponding to Mouse S100B |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol. |

Applications Recommended Dilution

| | |
|------------|-------------|
| IHC | 1:200-1:800 |
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Data



Immunohistochemistry analysis of paraffin-embedded mouse brain using S100B Polyclonal Antibody at dilution of 1:400. Immunohistochemistry analysis of paraffin-embedded rat brain using S100B Polyclonal Antibody at dilution of 1:300.

Preparation & Storage

| | |
|-----------------|--|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

S100B is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs and has been implicated in the regulation of cellular activities such as metabolism, motility and proliferation. In the nervous system, S100B is constitutively released by astrocytes into the extracellular space and at nanomolar concentrations, it can promote neurite outgrowth and protect neurons against oxidative stress. Within the central nervous system (CNS), S100B is thought to be a marker for astroglial activation, linking astrocyte dysfunction to schizophrenia. In addition to astrocytes, S100B is released from many cell types, such as, adipocytes, chondrocytes, cardiomyocytes and lymphocytes. Serum S100B represents a new biomarker for mood disorders.

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