# Rabbit anti-Mouse, Rat S100B Polyclonal Antibody | anti-S100B antibody

S100B Polyclonal Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA174534** | **Rabbit** | **Mouse, Rat** | **Immunohistochemistry** |

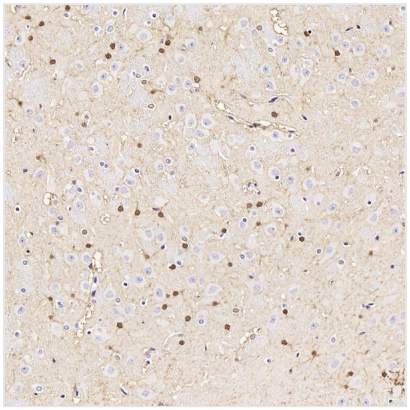
## PRODUCT SYNONYMS

S100B; Polyclonal Antibody; S100B Polyclonal Antibody; NEF; Protein S100 B; Protein S100-B; S 100 calcium binding protein beta chain; S 100 protein beta chain; S-100 protein beta chain; S-100 protein subunit beta; S100; S100 calcium binding protein beta (neural); S100 calcium-binding protein B; S100 protein beta chain; S100beta; anti-S100B antibody

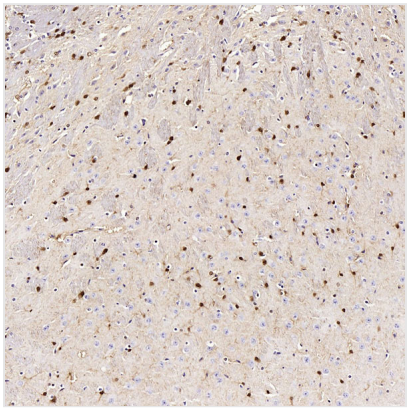
## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity/Purification** | Affinity Purification |
| **Form/Format** | PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol. |
| **Concentration** | 0.54 mg/mL (varies by lot) |
| **Sequence Length** | 92 |
| **Applicable Applications for anti-S100B antibody** | IHC (Immunohistochemistry) |
| **Immunogen** | KLH conjugated synthetic peptide corresponding to Mouse S100B |
| **Conjugation** | Unconjugated |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |

## IMAGES



**IHC (Immunohiostchemistry)**
Immunohistochemistry analysis of paraffin-embedded rat brain using S100B Polyclonal Antibody at dilution of 1:300.



**IHC (Immunohistochemistry)**
Immunohistochemistry analysis of paraffin-embedded mouse brain using S100B Polyclonal Antibody at dilution of 1:400.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-S100B antibody** | 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 bomarker for mood disorders. |
| **Product Categories/Family for anti-S100B antibody** | Cancer; Cell Biology; Epigenetics and Nuclear Signaling; Stem Cells |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 6677839 |
| **NCBI GeneID** | 20203 |
| **NCBI Accession #** | NP_033141.1 |
| **NCBI GenBank Nucleotide #** | NM_009115.3 |
| **UniProt Accession #** | P50114; P04631 |
| **Molecular Weight** | 10,728 Da |
| **NCBI Official Full Name** | protein S100-B |
| **NCBI Official Synonym Full Names** | S100 protein, beta polypeptide, neural |
| **NCBI Official Symbol** | S100b |
| **NCBI Official Synonym Symbols** | Bpb; AI850290 |
| **NCBI Protein Information** | protein S100-B |
| **UniProt Protein Name** | Protein S100-B |
| **UniProt Gene Name** | **S100b** |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/s100b-antibody-immunohistochemistry-elisa/174534