

## Rabbit S100B Polyclonal Antibody | anti-S100B antibody

S100B Antibody

|                              |                       |                                      |                                             |
|------------------------------|-----------------------|--------------------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA29687</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human Mouse Rat</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|------------------------------|-----------------------|--------------------------------------|---------------------------------------------|

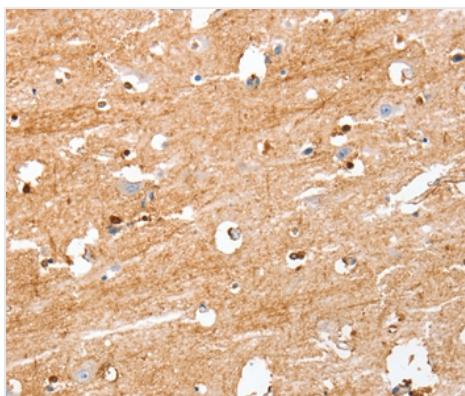
### PRODUCT SYNONYMS

S100B; Polyclonal Antibody; S100B Antibody; NEF; S100; S100-B; S100beta; anti-S100B antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------|
| Host                                            | Rabbit                                                          |
| Reactivity                                      | Human Mouse Rat                                                 |
| Clonality                                       | Polyclonal                                                      |
| Specificity                                     | The antibody detects endogenous levels of total S100B protein.  |
| Purity/Purification                             | Antigen affinity purification.                                  |
| Form/Format                                     | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol. |
| Concentration                                   | 0.3 mg/ml (varies by lot)                                       |
| Sequence Length                                 | 92                                                              |
| Applicable Applications for anti-S100B antibody | IHC (Immunohistochemistry)                                      |
| Application Notes                               | IHC: 1:25-1:100                                                 |
| Immunogen Type                                  | Peptide                                                         |
| Immunogen Description                           | Synthetic peptide of human S100B                                |
| Target Name                                     | S100B                                                           |
| Preparation and Storage                         | Store at -20 degrees C.                                         |

### IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/50.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-S100B antibody | 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 Ca2+ 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. |
| Product Categories/Family for anti-S100B antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 5454034                        |
| NCBI GeneID                      | 6285                           |
| NCBI Accession #                 | NP_006263.1                    |
| NCBI GenBank Nucleotide #        | NM_006272.2                    |
| UniProt Accession #              | P04271; D3DSN6                 |
| NCBI Official Full Name          | protein S100-B                 |
| NCBI Official Synonym Full Names | S100 calcium binding protein B |
| NCBI Official Symbol             | S100B                          |
| NCBI Official Synonym Symbols    | NEF; S100; S100-B; S100beta    |
| NCBI Protein Information         | protein S100-B                 |
| UniProt Protein Name             | Protein S100-B                 |
| UniProt Gene Name                | S100B                          |
| UniProt Entry Name               | S100B_HUMAN                    |

**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.