

**Product Name: S100B (5G3) Mouse Monoclonal Antibody**  
**Catalog #: AMM03549**

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## Summary

|                        |                                       |
|------------------------|---------------------------------------|
| <b>Production Name</b> | S100B (5G3) Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody             |
| <b>Host</b>            | Mouse                                 |
| <b>Application</b>     | WB                                    |
| <b>Reactivity</b>      | Rat                                   |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG2b  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.          |
| <b>Purification</b> | Affinity Purification  |

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | S100B   |
| <b>Alternative Names</b> | 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; S100B; S100B_HUMAN; S100beta. |
| <b>Gene ID</b>           | 6285  |
| <b>SwissProt ID</b>      | P04271.   |

## Application

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000                           |
| <b>Molecular Weight</b> | Calculated MW: 11 kDa; Observed MW: 11 kDa |

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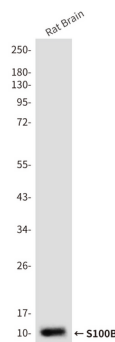
## Background

Despite their relatively small size (8-12 kDa) and uncomplicated architecture, S100 proteins regulate a variety of cellular processes such as cell growth and motility, cell cycle progression, transcription, and differentiation. To date, 25 members have been identified, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z, making it the largest group in the EF-hand, calcium-binding protein family.

## Research Area

Cell Biology

## Image Data



Western blot analysis of S100B (5G3) in rat Brain lysates using S100B antibody.

## Note

For research use only.