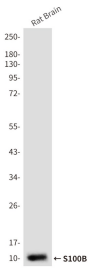
# S100B (5G3) Mouse mAb

**db6293** **Package : 50μL 100μL**

**Product Name :** S100B (5G3) Mouse mAb
**Cat.No.:** db6293
**Synonyms :** NEF; S100; S100-B; S100beta
**Application :** WB
**Reactivity :** Rat
**Host species :** Mouse

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|---|---|
| **Background** | Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling. Could assist ATAD3A cytoplasmic processing, preventing aggregation and favoring mitochondrial localization. May mediate calcium-dependent regulation on many physiological processes by interacting with other proteins, such as TPR-containing proteins, and modulating their activity. |
| **Immunogen** | Human S100B synthetic peptide conjugated to KLH |
| **Gene ID** | 6285 |
| **Swiss Prot** | P04271 |
| **Synonyms** | NEF; S100; S100-B; S100beta |
| **Reactivity** | Rat |
| **Application** | WB |
| **Recommended dilution** | WB: 1:500-1:1000 |
| **Calculated MW** | 11 kDa |
| **Observed MW** | 11 kDa |
| **Host species** | Mouse |
| **Clonality** | Monoclonal |
| **Clonality No.** | 5G3-C11 |
| **Isotype** | IgG2b |

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|---|---|
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt. |




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