

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**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

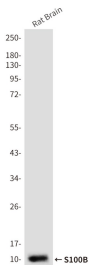
Clonality No.

5G3-C11

Isotype

IgG2b

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.