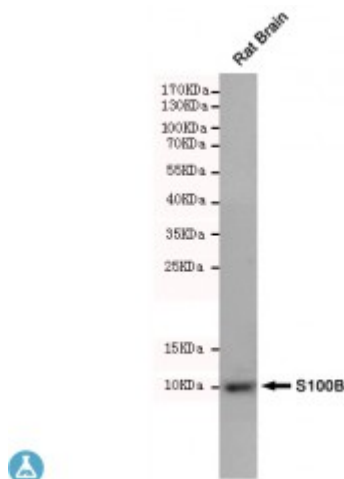


Anti-S100B antibody



Description	Mouse monoclonal to S100B.
Model	STJ99307
Host	Mouse
Reactivity	Rat
Applications	ELISA, WB
Immunogen	Human S100B synthetic peptide conjugated to KLH.
Gene ID	6285
Gene Symbol	S100B
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	This antibody detects endogenous levels of S100B and does not cross-react with related proteins.
Tissue Specificity	Although predominant among the water-soluble brain proteins, S100 is also found in a variety of other tissues.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clone ID	5G3-C11
Note	For Research Use Only (RUO).
Protein Name	Protein S100-B S-100 protein beta chain S-100 protein subunit beta S100 calcium-binding protein B
Molecular Weight	10kDa

Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG2b
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10500OMIM:176990
Alternative Names	Protein S100-B S-100 protein beta chain S-100 protein subunit beta S100 calcium-binding protein B
Function	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.
Cellular Localization	Cytoplasm Nucleus