

Mouse anti-Human S-100 beta Monoclonal Antibody | anti-S-100beta antibody

S-100 beta Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320222	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

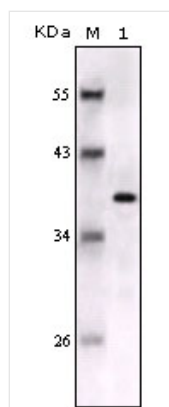
PRODUCT SYNONYMS

S-100 beta; Monoclonal Antibody; S-100 beta Monoclonal Antibody; Protein S100-B; S100B; S-100 protein beta chain; S-100 protein subunit beta; S100 calcium-binding protein B; anti-S-100beta antibody

PRODUCT SPECIFICATIONS

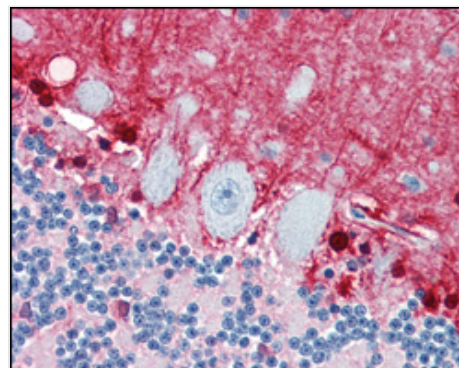
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	S-100 beta Monoclonal Antibody detects endogenous levels of S-100 beta protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-S-100beta antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of S-100 beta expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain. cerebellum with DAB staining using S-100 ? Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using S-100 ? Monoclonal Antibody against full-length S-100 ? recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-S-100beta 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
Product Categories/Family for anti-S-100beta antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	12804681
NCBI GeneID	6285
UniProt Accession #	P04271; D3DSN6
Molecular Weight	10,713 Da
NCBI Official Full Name	S100 calcium binding protein 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; S-100 protein subunit beta; S-100 calcium-binding protein, beta chain; S100 calcium-binding protein, beta (neural)
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.