

Rabbit S100B Polyclonal Antibody | anti-S100B antibody

S100B (Astrocyte and Melanoma Marker)

CATALOG # AAA215190	HOST Rabbit	REACTIVITY Human, Mouse, Rat, Cow	APPLICATIONS Immunohistochemistry
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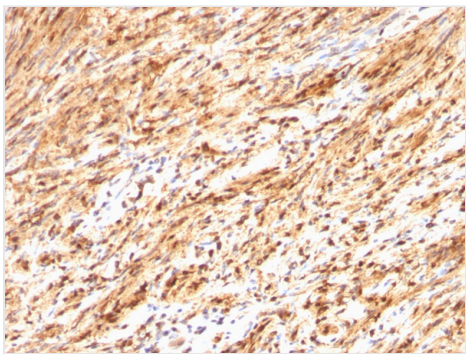
PRODUCT SYNONYMS

S100B; Polyclonal Antibody; S100B (Astrocyte and Melanoma Marker); NEF; Protein S100-B; S-100 protein beta chain; S100 calcium binding protein beta (neural); S100 calcium-binding protein B; S100 protein beta chain; S100beta; anti-S100B antibody

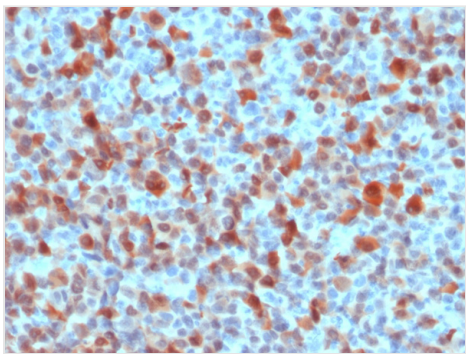
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Cow
Clonality	Polyclonal
Isotype	IgG
Specificity	S100 belongs to the family of calcium binding proteins. S100A and S100B proteins are two members of the S100 family. S100A is composed of an alpha and a beta chain whereas S100B is composed of two beta chains. This antibody is specific against an epitope located on the beta-chain (i.e. in S-100A and S-100B) but not on the alpha-chain of S-100 (i.e. in S-100A and S100A0). This antibody can be used to localize S-100A and S-100B in various tissue sections. S-100 protein has been found in normal melanocytes, Langerhans cells, histiocytes, chondrocytes, lipocytes, skeletal and cardiac muscle, Schwann cells, epithelial and myoepithelial cells of the breast, salivary and sweat glands, as well as in glial cells. Neoplasms derived from these cells also express S-100 protein, albeit non-uniformly. A large number of well-differentiated tumors of the salivary gland, adipose and cartilaginous tissue, and Schwann cell-derived tumors express S-100 protein. Almost all malignant melanomas and cases of histiocytosis X are positive for S-100 protein.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified by Protein A Column. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	92
Applicable Applications for anti-S100B antibody	IHC (Immunohistochemistry)
Positive Control	Brain, Melanoma or Schwanoma.
Immunogen	Recombinant full-length human S100B protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	21q22.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Schwannoma stained with S100B Rabbit Polyclonal Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Melanoma stained with S100B Rabbit Polyclonal Antibody.

ADDITIONAL INFORMATION

References	Heizmann, C.W. 1988. Calcium-binding proteins of the EF-type. J. Cardiovasc. Pharmacol. 5: S30-S37.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12804681
NCBI GeneID	6285
UniProt Accession #	P04271
Molecular Weight	10-12kDa
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
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/s100b-antibody-immunohistochemistry-elisa/215190>