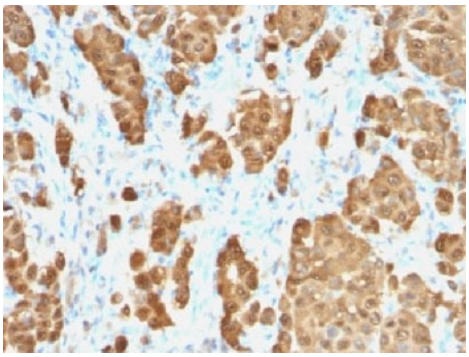
Recombinant S100B Antibody / Rabbit Monoclonal [clone S100B/1706R] (V3350)

Catalog No.	Formulation	Size
V3350-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3350-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3350SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3350IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

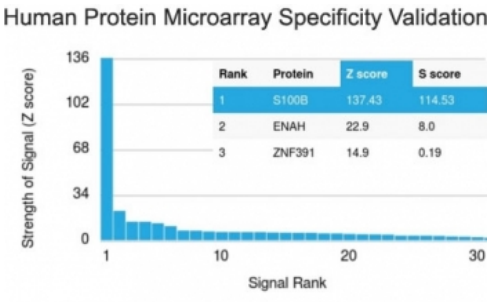
Recombinant RABBIT MONOCLONAL

Bulk quote request

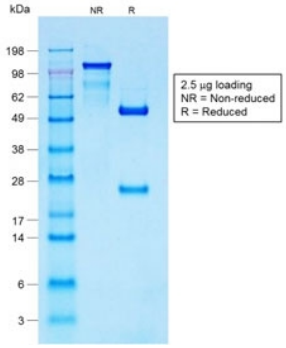
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	S100B/1706R
Purity	Protein A affinity chromatography
UniProt	P04271
Localization	Cytoplasmic, nuclear
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western blot : 1-2ug/ml
Limitations	This recombinant S100B antibody is available for research use only.



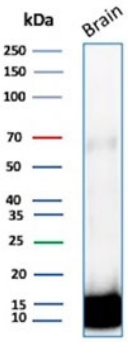
IHC testing of FFPE human melanoma with recombinant S100B antibody. HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



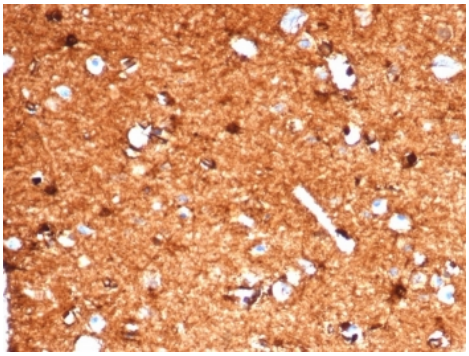
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant S100B antibody (clone S100B/1706R). These results demonstrate the foremost specificity of the S100B/1706R mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free recombinant S100B antibody as confirmation of integrity and purity.



Western blot testing of human brain tissue lysate with recombinant S100B antibody. Predicted molecular weight ~11 kDa.



IHC testing of FFPE human brain tissue with recombinant S100B antibody. HIER: steam sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.

Description

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.

Immunogen

Full length human recombinant S100B protein was used as the immunogen for this recombinant S100B antibody.

Storage

Store the recombinant S100B antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com