

Product Datasheet

S100B Antibody (orb1410483)

Catalog Number	orb1410483
Category	Antibodies
Description	Mouse monoclonal antibody to S100B (Astrocyte and Melanoma Marker)
Target	S100B
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG2a
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Purification	Protein A
Immunogen	Recombinant fragment (around aa3-92) of human S100B protein (exact sequence is proprietary)
UniProt ID	P04271
MW	10-12kDa
Tested applications	IHC
Specificity	Although predominant among the water-soluble brain proteins, S100 is also found in a variety of other tissues.

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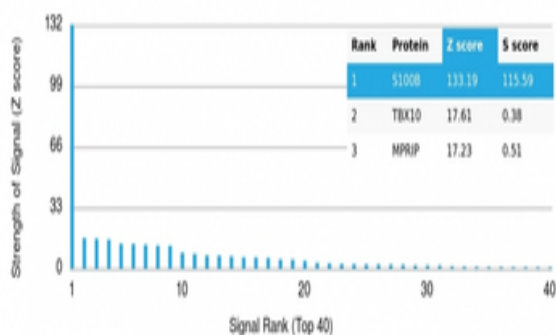
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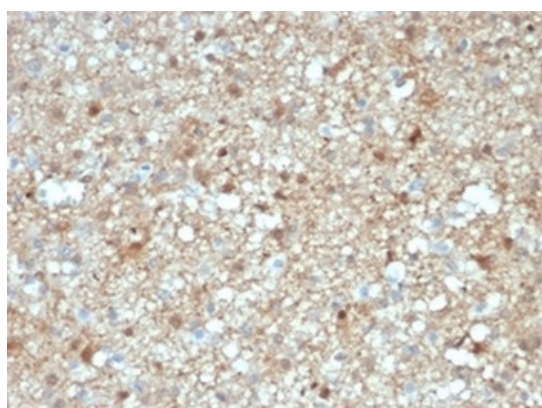
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Clone Number	S100B/4143
Expression System	Bioreactor
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Analysis of Protein Array containing more than 19000 full-length human proteins using S100B-Monospecific Mouse Monoclonal Antibody (S100B/4143). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human brain stained with S100B Mouse Monoclonal Antibody (S100B/4143) at 2 ug/ml. HIER: Tris/EDTA, pH9.0, 45 min. 2°C: HRP-polymer, 30 min. DAB, 5 min.

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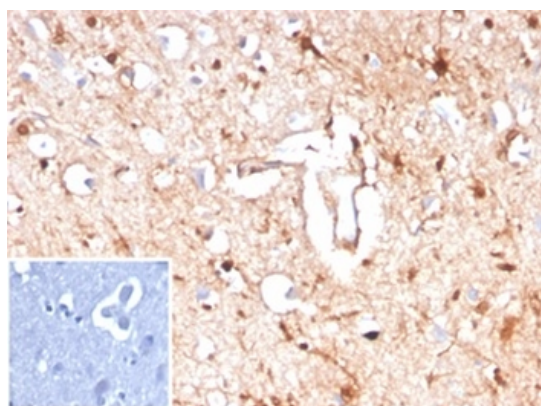
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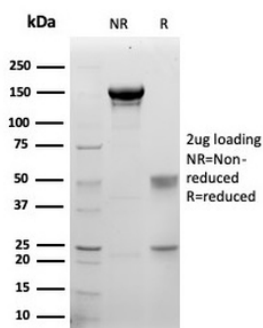
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Formalin-fixed, paraffin-embedded human brain stained with S100B Mouse Monoclonal Antibody (S100B/4143) at 2 ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis of Purified S100B Mouse Monoclonal Antibody (S100B/4143). Confirmation of Purity and Integrity of Antibody.

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