



IHC image of a human astrocytoma.

S 100 Protein Antibody • 6mL Ready-to-Use Liquid

Catalog #	22520	Product type	Primary antibodies
Lot #	942001	Clonality	Polyclonal
Form	Liquid (6.0 mL)	Isotype	IgG
Host	Rabbit	Preservative	≤ 0.09% sodium azide
Reacts With	Bullfrog, Ferret, Fish, Gerbil, Human, Monkey, Mouse, Rat	Antigen	S-100 protein isolated from bovine brain.

INSTRUCTIONS

Specificity	<p>This product consists of the immunoglobulin fraction of rabbit anti-S-100 serum. The antibody was generated in rabbits against S-100 protein isolated from bovine brain. Common determinants on this protein occur amongst widely disparate species, e.g. fruit fly and man. Anti-S-100 reacts with the alpha and beta subunits of S-100A. In the central nervous system, glial and ependymal cells stain positively. In the peripheral nervous system, Schwann cells are positively labeled. Melanocytes and Langerhans cells stain in skin.</p> <p>Refer to the Instruction Manual available online at www.immunostar.com for information on tissue preparation, immunostaining techniques, troubleshooting, and formulas.</p>
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APPLICATION

Quality Control	This reagent is provided in ready-to-use, liquid form. It has been prediluted in 0.05 M Tris buffer, pH 7.6, containing protein carrier and 15 mM sodium azide as a preservative. The dilution is optimal for use with corresponding Biotin-Streptavidin/HRP reagents.
Performance	Good staining results were obtained when rabbit anti-S-100 protein serum was tested using the following tissue, fixative and detection system.
Tissue	Rat brain
Perfusion Fixation	<ul style="list-style-type: none"> Fixation: 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4; 500 mL over 20 min. Post Fixation: 1.5 hour at 4°C in 4% paraformaldehyde in 0.1M phosphate buffer, pH 7.4.
Detection System	<ul style="list-style-type: none"> Bn/SA-HRP - Use according to manufacturers' directions. When staining for S-100 in melanoma, negatives should be followed up by staining additional cut sections. It has been demonstrated (Kindblom et al., <i>ACTA Path. Microbiol. Immunol., Scand. Sect. A</i>, 92, 1984) that in melanomas, staining for S-100 is observed in most, but not all tumor cells. Positivity and staining intensity of S-100 may vary significantly within a section and between sections from the same block and is generally more prominent in the infiltrating peripheral zone of metastases.

NOTES

Storage	Store at 2°–8°C until expiration date.
Concentration	0.013 mg/mL
Journal References	www.immunostar.com/publications

For Laboratory Reagent Use Only. Analytical and performance characteristics are not established.

ALL PRODUCTS ARE FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE

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