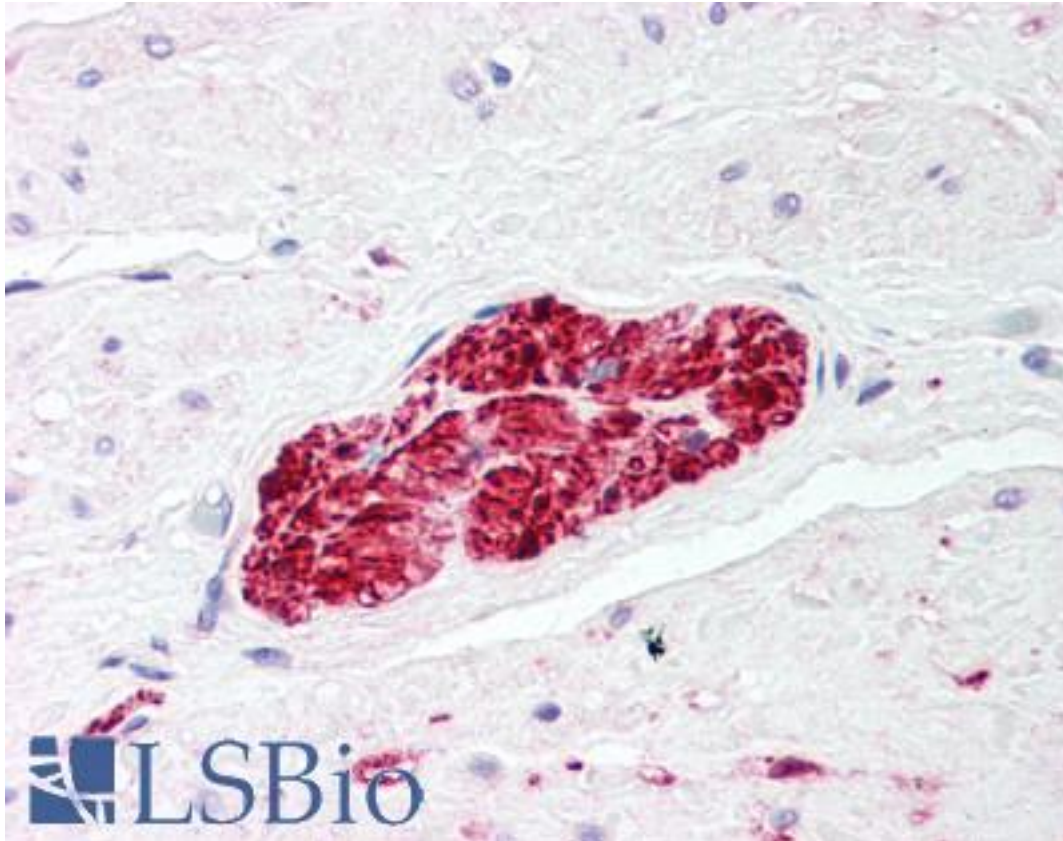


**S100 Protein Rabbit anti-Bovine Polyclonal Antibody - LS-B47 - LSBio**

<b>CatalogID:</b>	LS-B47
<b>Validation:</b>	This antibody replaces catalog number LS-C18888. It has been validated for use in the following assays: IHC.
<b>Target:</b>	S100 Protein
<b>Host</b>	S100 Protein antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	S100 Protein antibody was raised against Bovine
<b>Specificity:</b>	Full-length bovine S100 protein (mixture of aa homodimers and ab heterodimers).
<b>Reactivity:</b>	Bovine, Human
<b>Purification:</b>	Protein A purified
<b>Presentation:</b>	PBS, pH 7.2, 0.01% sodium azide.
<b>Recommended Storage:</b>	+4°C or -20°C, Avoid repeated freezing and thawing.
<b>Usage Summary:</b>	Immunohistochemistry: LS-B47 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B47 was determined to be 2.5 ug/ml.
<b>Uses:</b>	IHC - Paraffin (2.5 µg/ml), Western blot (1:500 - 1:3000), ELISA (1:5000 - 1:20000) (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg
<b>Concentration:</b>	1 mg/ml

**Immunohistochemistry Image:**



Anti-S100 Protein antibody IHC of human prostate, nerve. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B47 concentration 5 ug/ml.

**Western Blot Image:**



Anti-S-100 Antibody - Western Blot. Western blot of Affinity Purified anti-S-100 antibody shows detection of a band ~11 kD corresponding to bovine S-100 monomer (100 ng loaded, arrowhead lane 1). The antibody also detects S-100 from rat brain lysate (lane 2). Approximately 35 ug of a rat brain whole cell lysate was separated by 16% SDS-PAGE and transferred onto nitrocellulose. After blocking, the membrane was probed with the primary antibody diluted to 1:1000 for 2h at room temperature followed by washes and reaction with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX ( for 45 min at room temperature. IRDye800 fluorescence image was captured using the Odyssey Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

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