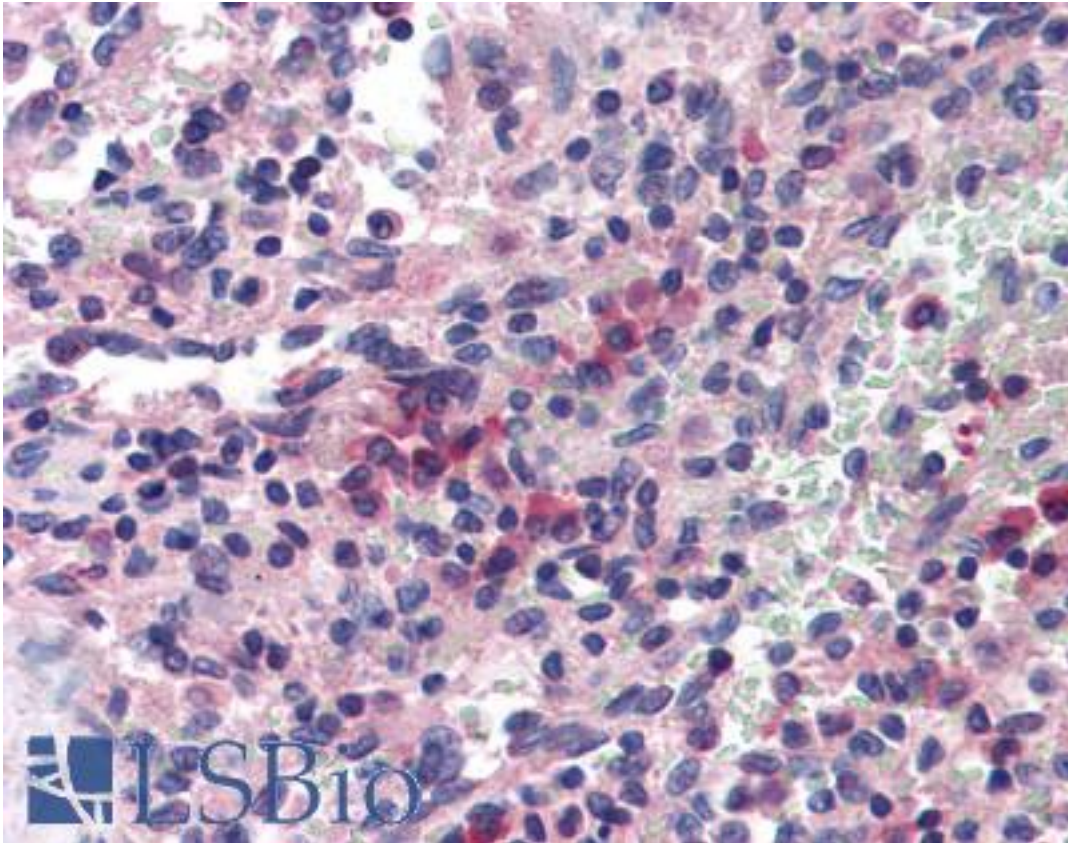


SAE1 Rabbit anti-Human Polyclonal Antibody - LS-B420 - LSBio

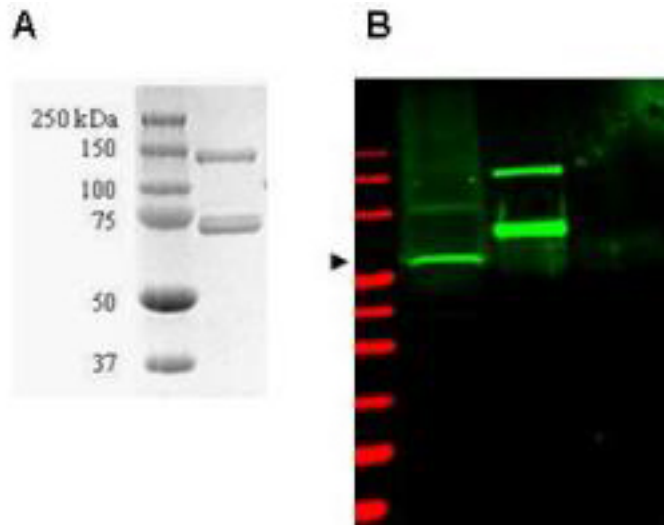
CatalogID:	LS-B420
Validation:	This antibody replaces catalog number LS-C19036. It has been validated for use in the following assays: IHC.
Target:	SUMO1 activating enzyme subunit 1 (SAE1)
Synonyms:	SAE1 Antibody, Activator of SUMO1 Antibody, AOS1 Antibody, UBLE1A Antibody, HSPC140 Antibody, SUA1 Antibody
Host	SAE1 antibody was produced in Rabbit
Clonality:	Polyclonal
Immunogen Species:	SAE1 antibody was raised against Human
Immunogen:	SAE1 antibody was raised against recombinant human SAE1.
Specificity:	Recombinant protein produced by baculoviral expression in insect cells (Sf9, Spodoptera frugiperda) corresponding to full length Human SUMO Activating Enzyme E1 fused with GST.
Reactivity:	Human
Purification:	Protein A purified
Presentation:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Usage Summary:	Immunohistochemistry: LS-B420 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-B420 was determined to be 5 ug/ml.
Uses:	IHC - Paraffin (5 µg/ml), Immunofluorescence, Western blot (1:500 - 1:2000), ELISA (1:5000 - 1:20000) (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



Anti-SAE1 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B420 concentration 5 ug/ml.

Western Blot Image:



Anti-SUMO Activating Enzyme (SAE1) Antibody - SDS-PAGE/Western Blot. Coomassie-stained SDS-PAGE of GST-SAE1 recombinant protein (Panel A) and western blotting (Panel B) of HeLa WC lysate (lane 1) and purified recombinant GST-SAE1 (lane 2) are presented to show specificity of purified anti-SUMO Activating Enzyme (SAE1) antibody. The recombinant protein (with tag) ~60 kD band present in 35 ug lysate (green, 800 nm channel) is indicated by the arrowhead. Lane 2 contains 50 ng of purified recombinant GST-SAE1 and lane 3 contains 300 ng of purified GST. Proteins were separated on a 4-20% Tris-Glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:2000. Incubation was overnight at 4° C followed by washes and reaction with a 1:10000 dilution of IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MXHu (for 45 min at room temperature. Molecular weight markers are shown for both the Coomassie-stained gel and the western blot (lane M, red, 700 nm channel). 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. SDS-PAGE image courtesy of Proteome Resources, Englewood, CO.

Requested From:

Japan

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