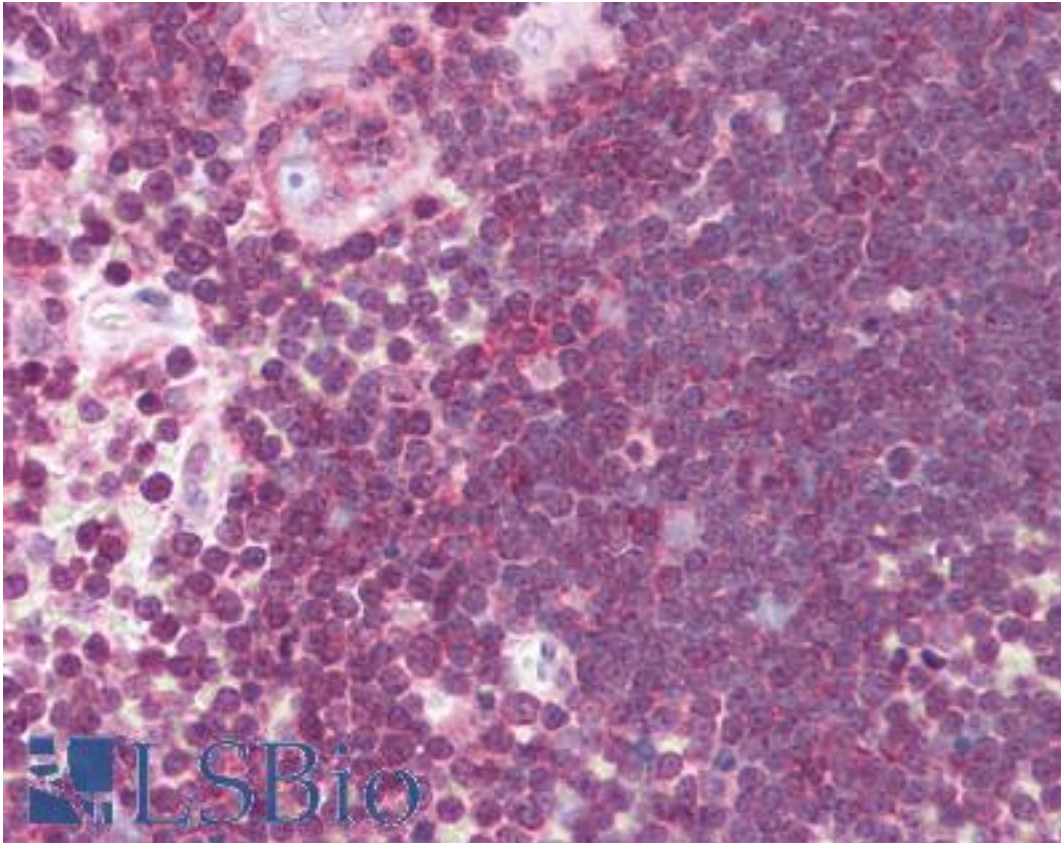


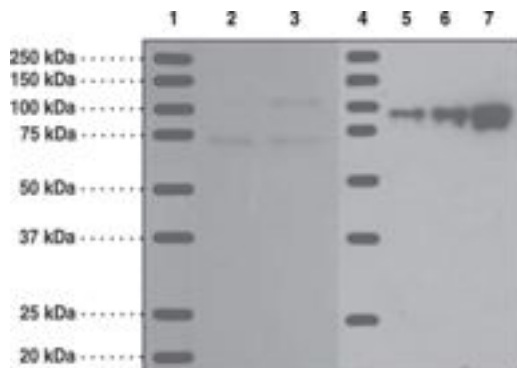
ALOX5 / 5-Lipoxygenase Rabbit anti-Human Polyclonal (aa130-149) Antibody - LS-B1499 - LSBio	
CatalogID:	LS-B1499
Validation:	This antibody replaces catalog number LS-C11173. It has been validated for use in the following assays: IHC.
Target:	arachidonate 5-lipoxygenase (ALOX5)
Synonyms:	ALOX5 Antibody, 5-lipoxygenase Antibody, 5LPG Antibody, 5-LO Antibody, 5-LOX Antibody, Arachidonate 5-lipoxygenase Antibody, LOG5 Antibody, LOX-5 Antibody, Leukotriene A4 synthase Antibody
Family / Subfamily:	Lipoxygenase / Not assigned-Other
Host	ALOX5 antibody was produced in Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Immunogen Species:	ALOX5 / 5-Lipoxygenase antibody was raised against Human
Immunogen:	ALOX5 / 5-Lipoxygenase antibody was raised against human and rat amino acids 130-149 (QHRRKELETRQKQYRWMEWN). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Marmoset, Rat, Bovine, Elephant, Panda (100%); Monkey, Mouse, Hamster, Rabbit, Opossum (95%); Bat (90%); Turkey, Chicken, Salmon, Zebrafish (80%).
Specificity:	Human and rat amino acids 130-149 (QHRRKELETRQKQYRWMEWN); The sequence is 95% homologous to 5-LO from mouse and hamster
Epitope:	aa130-149
Reactivity:	Human, Gorilla, Gibbon, Rat, Bovine
Predicted Reactivity:	Monkey, Mouse, Bat, Hamster, Rabbit
Purification:	Immunoaffinity purified
Presentation:	TBS, pH 7.4
Recommended Storage:	Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.
Usage Summary:	Immunohistochemistry: LS-B1499 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-B1499 was determined to be 10 ug/ml.
Uses:	IHC - Paraffin (10 µg/ml), ICC, Western blot (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	0.2 mg/ml

Immunohistochemistry Image:



Anti-5 Lipoxygenase antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B1499 concentration 10 ug/ml.

Western Blot Image:



Lane 1: Precision Plus Protein Standard
Lane 2: Porcine leukocyte lysate (30 µg)
Lane 3: Porcine leukocyte lysate (60 µg)
Lane 4: Precision Plus Protein Standard
Lane 5: 5-LO (human recombinant) (25 ng)
Lane 6: 5-LO (human recombinant) (50 ng)
Lane 7: 5-LO (human recombinant) (0.1 µg)

Western blot of ALOX5 / 5-Lipoxygenase antibody LS-B1499.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

Not for resale without prior written consent from LifeSpan BioSciences, Inc.

Created on 9/23/2014

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