

Product Datasheet

5-Lipoxygenase Antibody (OTI3F1) NBP2-46513

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 1

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NBP2-46513**5-Lipoxygenase Antibody (OTI3F1)**

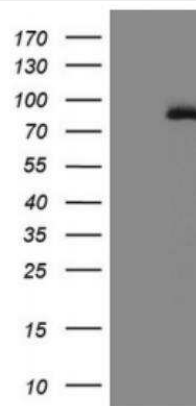
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3F1
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	77.8 kDa

Product Description	
Host	Mouse
Gene ID	240
Gene Symbol	ALOX5
Species	Human, Mouse, Rat
Reactivity Notes	Use in Mouse reported in scientific (publication PMID: 32544870). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human recombinant protein fragment corresponding to amino acids 18-364 of human ALOX5(NP_000689) produced in E.coli.

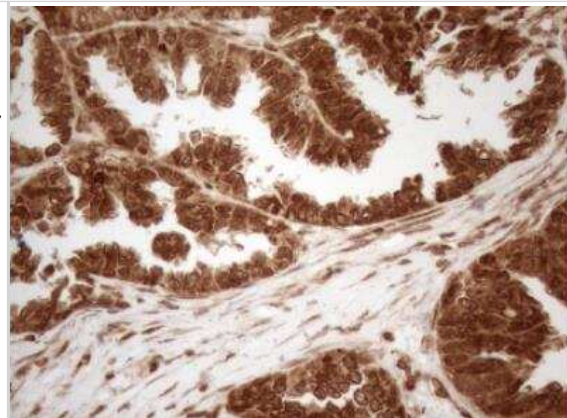
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

Western Blot: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - HEK293T cells were transfected with the pCMV6- ENTRY control (Left lane) or pCMV6-ENTRY ALOX5 (RC217259, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with antiALOX5.(1:2000)



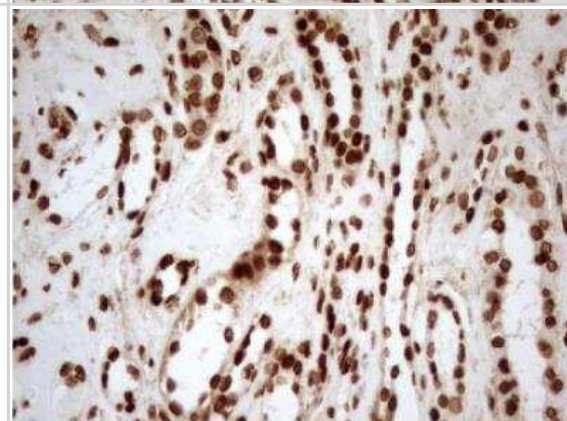
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Adenocarcinoma of Human ovary tissue using antiALOX5 mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150)



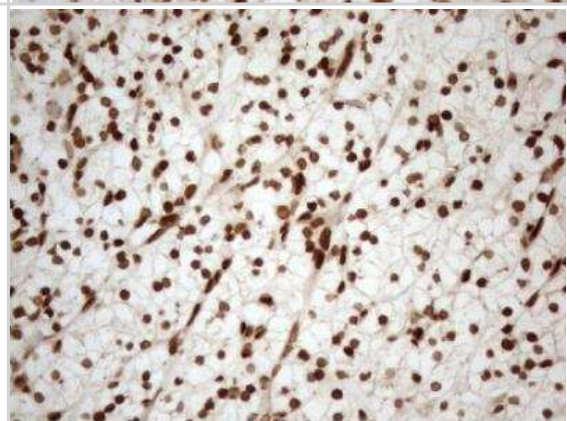
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Human colon tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150).



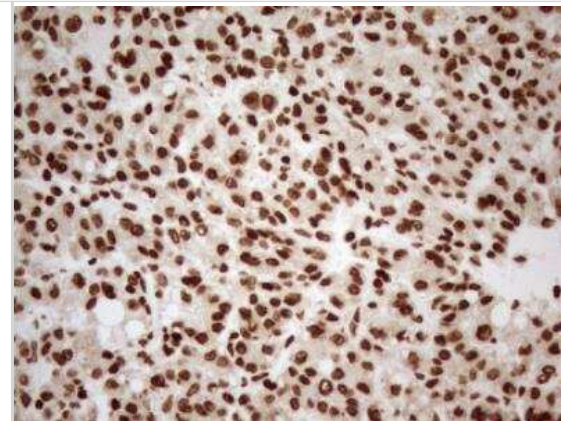
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Human Kidney tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min,(1:150)



Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Carcinoma of Human kidney tissue using anti-ALOX5 mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min (1:150)



Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Human liver tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150).



Publications

Hijioka M, Futokoro R, Ohto-Nakanishi T et al. Microglia-released leukotriene B4 promotes neutrophil infiltration and microglial activation following intracerebral hemorrhage Int. Immunopharmacol. 2020-06-13 [PMID: 32544870] (IF/IHC, Mouse)



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Products Related to NBP2-46513

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB110-58749PEP	5-Lipoxygenase Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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