

# Product Datasheet

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

Unit Size: 0.1 ml

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

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

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

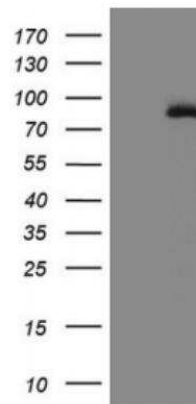
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse 5-Lipoxygenase Antibody (OTI3F1) (NBP2-46513) is a monoclonal antibody validated for use in IHC and WB. Anti-5-Lipoxygenase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	240
<b>Gene Symbol</b>	ALOX5
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 18-364 of human ALOX5(NP_000689) produced in E.coli.

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

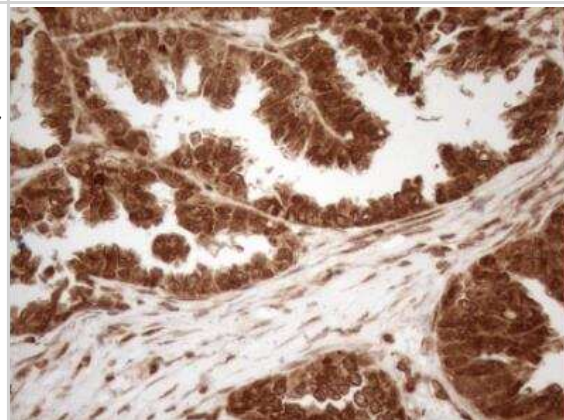


## Images

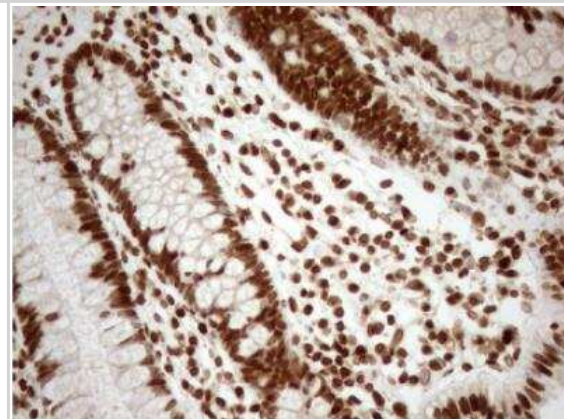
Western Blot: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - HEK293T cells were transfected with the pCMV6- ENTRY control (Left lane) or pCMV6-ENTRY ALOX5 (RC217259, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with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



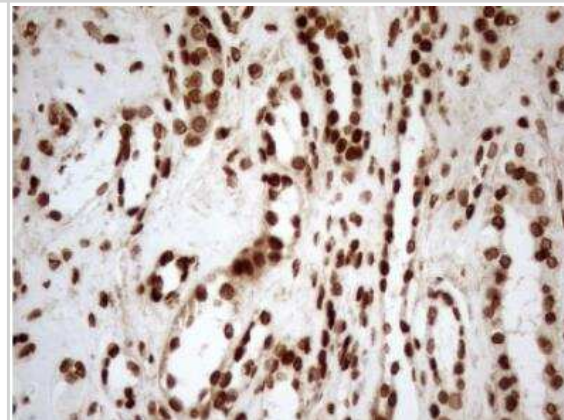
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Adenocarcinoma of Human ovary tissue using antiALOX5 mouse monoclonal antibody.(Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150)



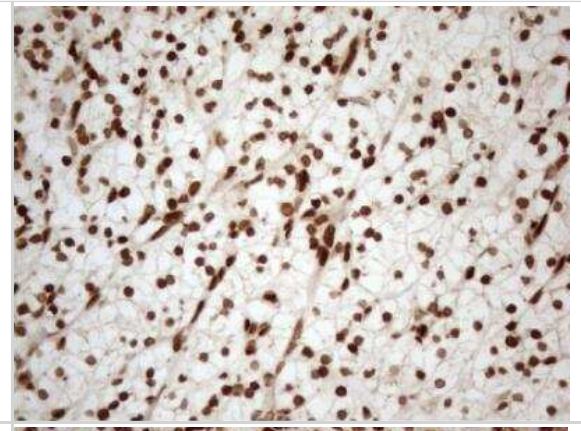
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Human colon tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150).



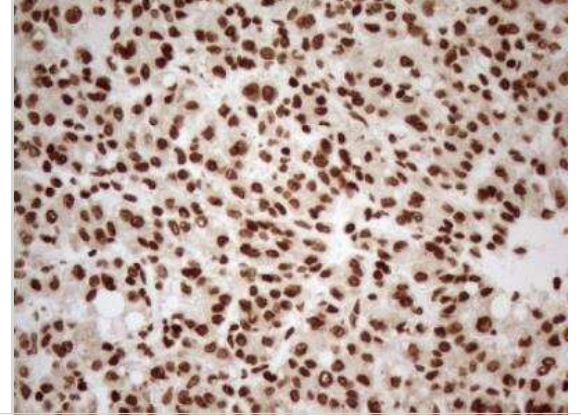
Immunohistochemistry-Paraffin: 5-Lipoxygenase Antibody (3F1) [NBP2-46513] - Paraffin-embedded Human Kidney tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min,(1:150)



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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **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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