

# Product Datasheet

## 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free NBP2-70166

Unit Size: 100 ug

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

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**NBP2-70166****5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free**

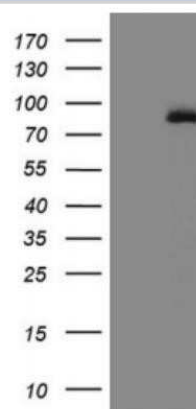
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3F1
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with PBS (pH 7.3). To use this carrier-free antibody for conjugation experiments, another round of desalting is highly recommended.
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	77.8 kDa

Product Description	
Host	Mouse
Gene ID	240
Gene Symbol	ALOX5
Species	Human, Mouse, Rat
Reactivity Notes	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.

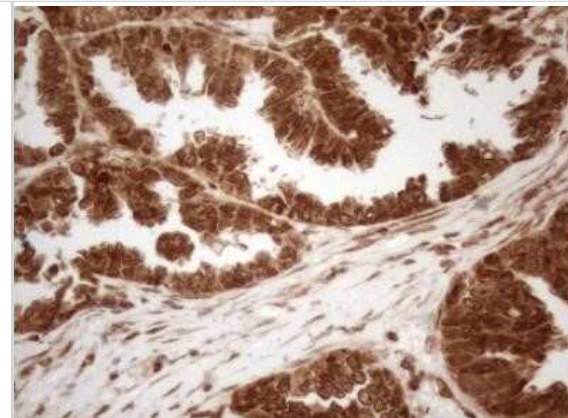
Product Application Details	
Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150

**Images**

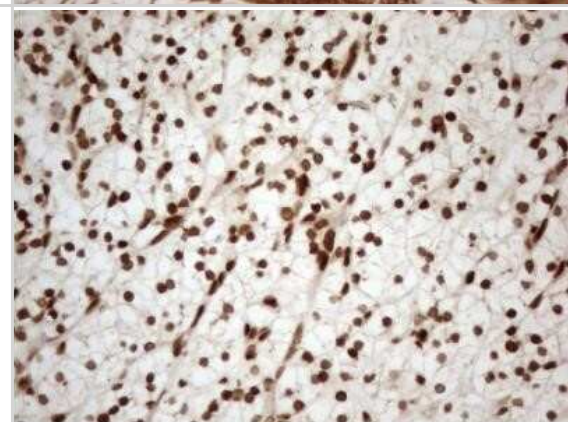
Western Blot: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY ALOX5 (RC217259, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with antiALOX5.



Immunohistochemistry: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - Paraffin-embedded Adenocarcinoma of Human ovary 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)



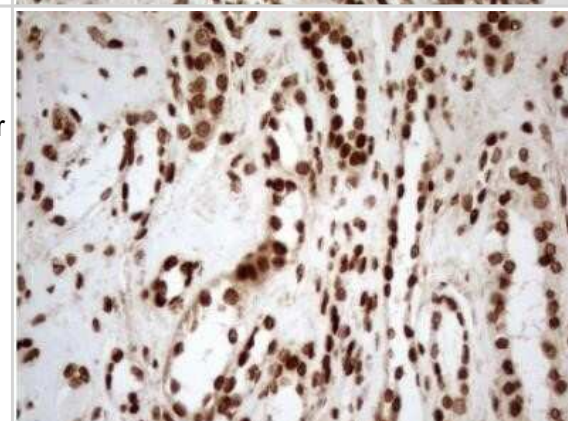
Immunohistochemistry: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - Paraffin-embedded Carcinoma of Human kidney tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min (1:150)



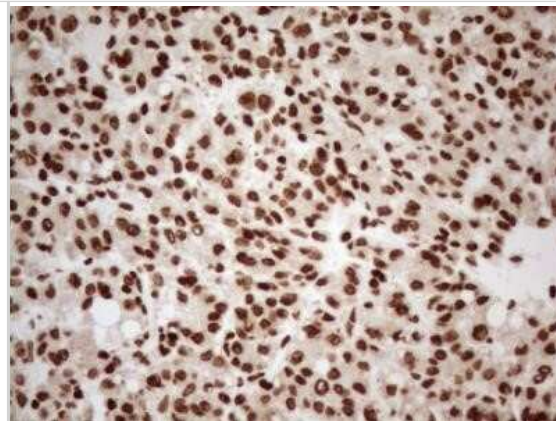
Immunohistochemistry: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - Paraffin-embedded Human colon tissue using anti-ALOX5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120 degrees C for 3 min, 1:150).



Immunohistochemistry: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - 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: 5-Lipoxygenase Antibody (OTI3F1) - Azide and BSA Free [NBP2-70166] - 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).





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### **Products Related to NBP2-70166**

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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)
NB110-58748PEP	5-Lipoxygenase Antibody Blocking Peptide

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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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