

Product Datasheet

15-Lipoxygenase 1 Antibody (OTI3G8) NBP2-01740

Unit Size: 0.1 ml

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

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NBP2-01740**15-Lipoxygenase 1 Antibody (OTI3G8)**

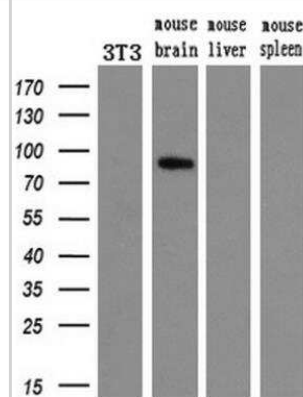
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3G8
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	74.6 kDa

Product Description	
Description	Novus Biologicals Mouse 15-Lipoxygenase 1 Antibody (OTI3G8) (NBP2-01740) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-15-Lipoxygenase 1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	246
Gene Symbol	ALOX15
Species	Human, Rat, Canine, Primate, Monkey
Immunogen	Full length human recombinant protein of human ALOX15(NP_001131) produced in HEK293T cell.

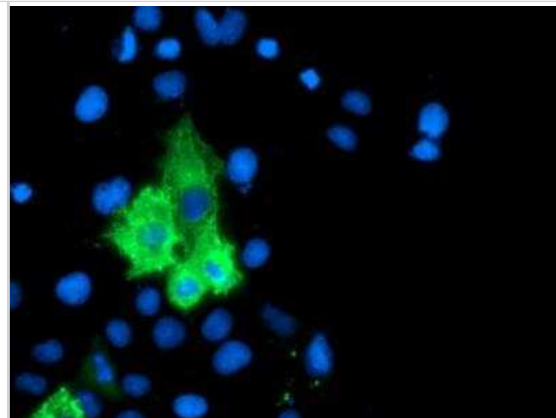
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-2000, Immunohistochemistry 1:150, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

Images

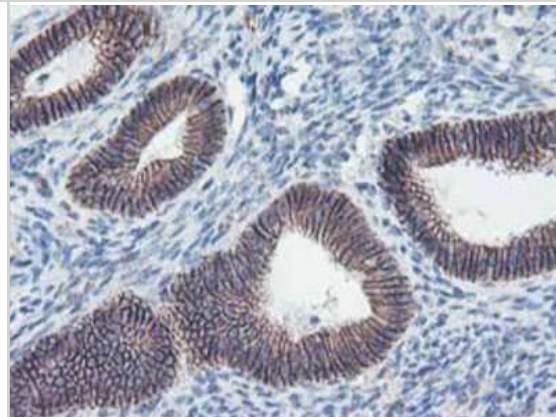
Western Blot: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti-ALOX15 monoclonal antibody.(1:200)



Immunocytochemistry/Immunofluorescence: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - COS7 cells



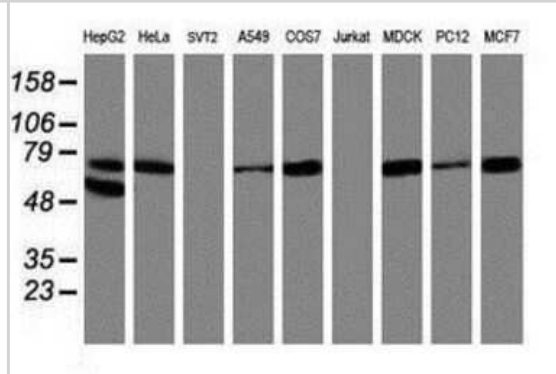
Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - Staining of paraffin-embedded Human endometrium tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



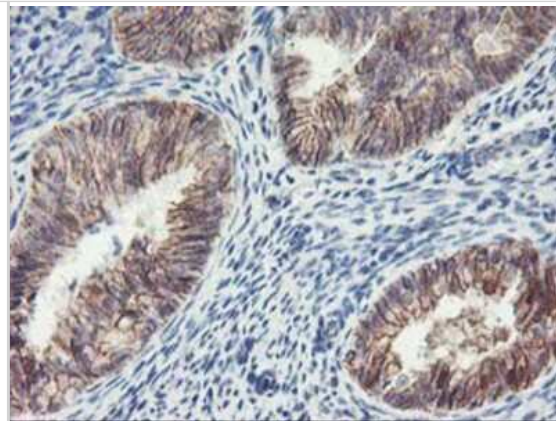
Western Blot: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY 15 Lipoxygenase 1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-15 Lipoxygenase 1.



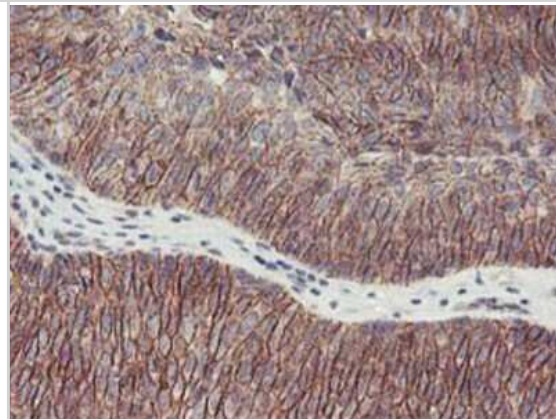
Western Blot: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - Analysis of extracts (35ug) from 9 different cell lines by using anti-15 Lipoxygenase 1 monoclonal antibody.



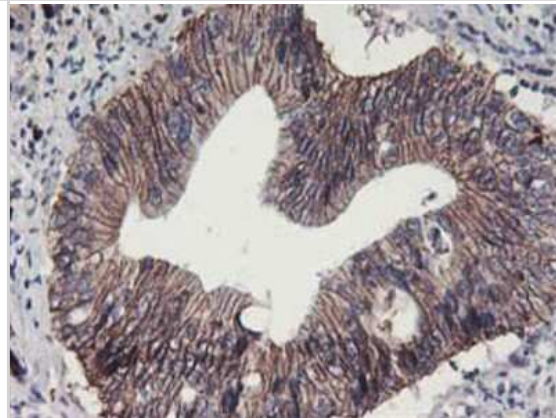
Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OT13G8) [NBP2-01740] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



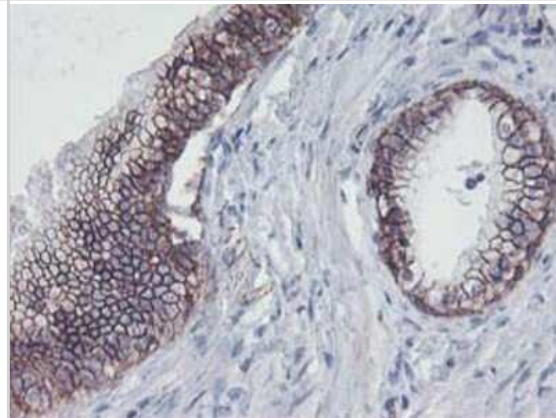
Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OT13G8) [NBP2-01740] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



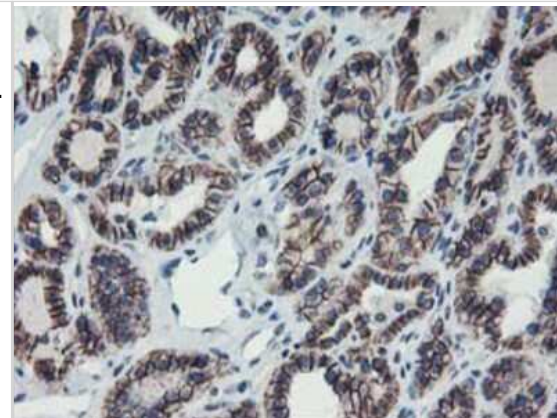
Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OT13G8) [NBP2-01740] - Staining of paraffin-embedded Carcinoma of Human pancreas tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



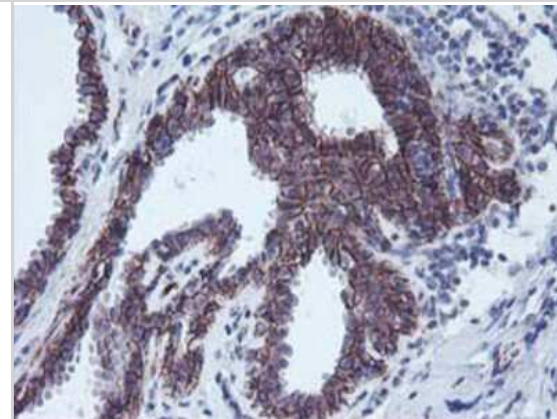
Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OT13G8) [NBP2-01740] - Staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: 15-Lipoxygenase 1 Antibody (OTI3G8) [NBP2-01740] - Staining of paraffin-embedded Human breast tissue using anti-15 Lipoxygenase 1 mouse monoclonal antibody.



Publications

Luo Y, Chen Y, Jin H et al. The suppression of cervical cancer ferroptosis by macrophages: The attenuation of ALOX15 in cancer cells by macrophages-derived exosomes *Acta Pharmaceutica Sinica B* 2023-06-01 [PMID: 37425043]

Zhao J, Wu Y, Liang S, Piao X Activation of SSAT1/ALOX15 axis aggravates cerebral ischemia/reperfusion injury via triggering neuronal ferroptosis *Neuroscience* 2022-01-25 [PMID: 35090880] (ICC/IF, Mouse)

Valkonen, S;Holopainen, M;Colas, RA;Impola, U;Dalli, J;Kakela, R;Siljander, PR;Laitinen, S; Lipid mediators in platelet concentrate and extracellular vesicles: Molecular mechanisms from membrane glycerophospholipids to bioactive molecules *Biochim Biophys Acta Mol Cell Biol Lipids* 2019-04-10 [PMID: 30980920] (WB, Human)

Ibrahim AS, Elshafey S, Sellak H et al. A lipidomic screen of hyperglycemia-treated HRECs links 12/15-Lipoxygenase to microvascular dysfunction during diabetic retinopathy via NADPH oxidase. *J Lipid Res* 2015-03-01 [PMID: 25598081]



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Products Related to NBP2-01740

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]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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