

# Product Datasheet

## LAMTOR1 Antibody - BSA Free NBP1-89909

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**Publications: 5**

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Updated 12/2/2025 v.20.1

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**NBP1-89909**

LAMTOR1 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

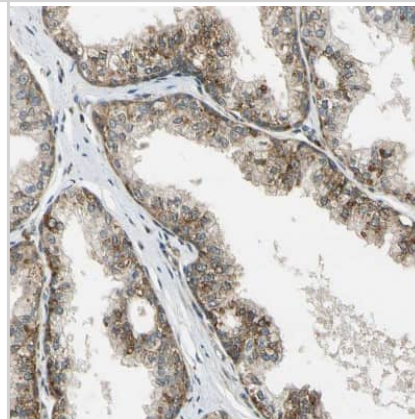
Product Description	
Description	Novus Biologicals Rabbit LAMTOR1 Antibody - BSA Free (NBP1-89909) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-LAMTOR1 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	55004
Gene Symbol	LAMTOR1
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 22576015)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NEDSDQDREERKLLLDPSSPPTKALNGAEPNYHSLPSARTDEQALLSSILAKTA SNIIDVSAADSQGMEQHEYMDRARQYSTRLAVLSSSLTHWKKLPPLPSLTSQP HQVLASEPIPFSDLQQVSRIAAYAYSALSQIRVDAKEELVV

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF reactivity reported in (PMID: 30428163).

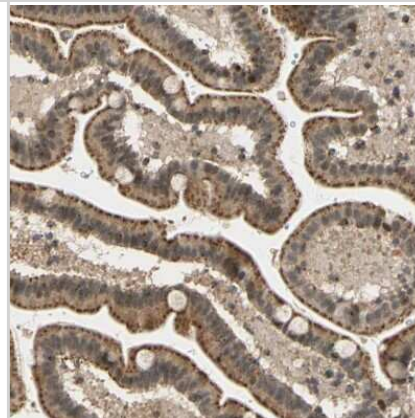


**Images**

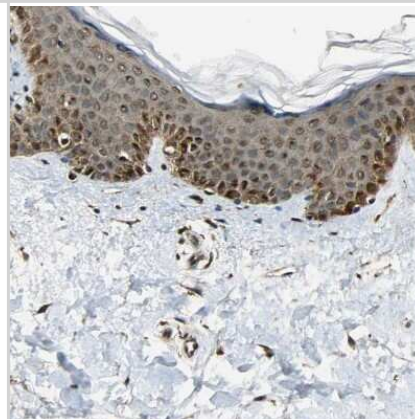
Immunohistochemistry-Paraffin: LAMTOR1 Antibody [NBP1-89909] - Staining of human prostate shows strong granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: LAMTOR1 Antibody [NBP1-89909] - Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: LAMTOR1 Antibody [NBP1-89909] - Staining of human skin shows strong positivity in cytoplasm granular in squamous epithelial cells.



Immunohistochemistry-Paraffin: LAMTOR1 Antibody [NBP1-89909] - Staining of human tonsil shows strong positivity in cytoplasm granular in non-germinal center cells.



## Publications

Lin C, Nozawa T, Minowa-Nozawa A et al. LAMTOR2/LAMTOR1 complex is required for TAX1BP1-mediated xenophagy. *Cellular Microbiology*. 2018-11-14 [PMID: 30428163] (ICC/IF, Human)

Munson MJ, Allen GF, Toth R et al. mTOR activates the VPS34-UVRAG complex to regulate autolysosomal tubulation and cell survival. *EMBO J* 2015-09-02 [PMID: 26139536] (ICC/IF, Human)

Martina JA, Chen Y, Gucek M, Puertollano R. MTORC1 functions as a transcriptional regulator of autophagy by preventing nuclear transport of TFEB. *Autophagy* 2012-06-01 [PMID: 22576015]

Taub N, Nairz M, Hilber D et al. The late endosomal adaptor p14 is a macrophage host-defense factor against *Salmonella* infection. *J Cell Sci* 2012-06-01 [PMID: 22427693]

de Mateo S, Castillo J, Estanyol JM et al. Proteomic characterization of the human sperm nucleus. *PROTEOMICS* 2011-06-01 [PMID: 21080497]





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### **Products Related to NBP1-89909**

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NBP1-89909PEP	LAMTOR1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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