

# Product Datasheet

## LANCL1 Antibody - BSA Free

### NBP1-81796

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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**NBP1-81796**

LANCL1 Antibody - BSA Free

**Product Information**

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

**Product Description**

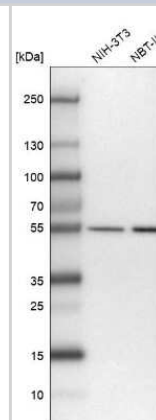
<b>Host</b>	Rabbit
<b>Gene ID</b>	10314
<b>Gene Symbol</b>	LANCL1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: MAQRAFPNPYADYNKSLAEGYFDAAGRLTPEFSQRLTNKIRELLQQM

**Product Application Details**

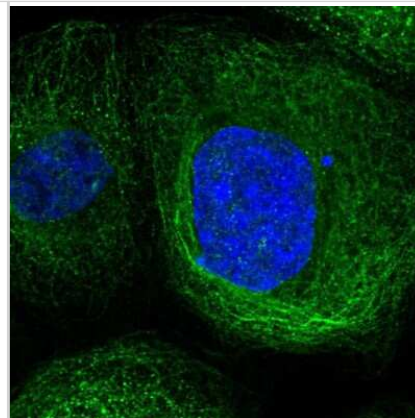
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50-1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

Western Blot: LANCL1 Antibody [NBP1-81796] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



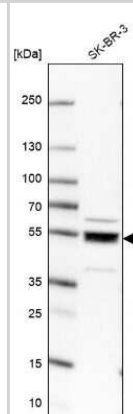
Immunocytochemistry/Immunofluorescence: LANCL1 Antibody [NBP1-81796] - Immunofluorescent staining of human cell line A-431 shows localization to microtubules.



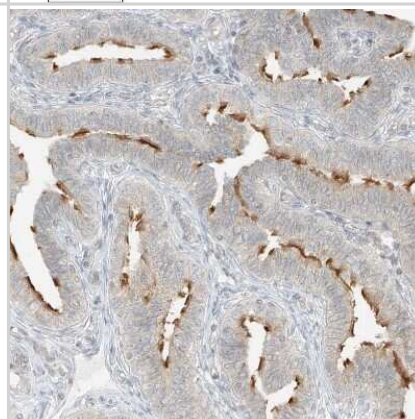
Immunohistochemistry-Paraffin: LANCL1 Antibody [NBP1-81796] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons and neuropil.



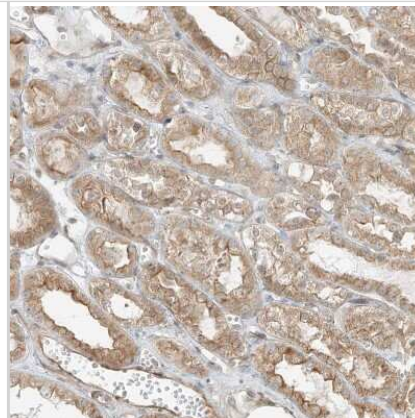
Western Blot: LANCL1 Antibody [NBP1-81796] - Analysis in human cell line SK-BR-3.



Immunohistochemistry-Paraffin: LANCL1 Antibody [NBP1-81796] - Staining of human fallopian tube shows moderate positivity in cilia in glandular cells.



Immunohistochemistry-Paraffin: LANCL1 Antibody [NBP1-81796] - Staining of human kidney shows weak membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: LANCL1 Antibody [NBP1-81796] - Staining of human testis shows moderate membranous positivity in cells in seminiferous ducts.



## Publications

Hongyang Huang, Yu-Man Tsui, Daniel Wai-Hung Ho, Clive Yik-Sham Chung, Karen Man-Fong Sze, Eva Lee, Gary Cheuk-Hang Cheung, Vanilla Xin Zhang, Xia Wang, Xueying Lyu, Irene Oi-Lin Ng LANCL1, a cell surface protein, promotes liver tumor initiation through FAM49B-Rac1 axis to suppress oxidative stress Hepatology (Baltimore, Md.) 2024-02-01 [PMID: 37540188]



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### **Products Related to NBP1-81796**

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NBP1-81796PEP	LANCL1 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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