

# Product Datasheet

## KLC4 Antibody - BSA Free NBP1-88772

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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Updated 12/2/2025 v.20.1

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**NBP1-88772**

KLC4 Antibody - BSA Free

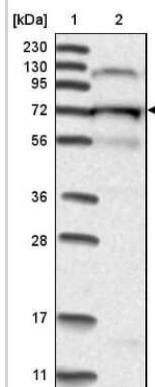
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit KLC4 Antibody - BSA Free (NBP1-88772) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	89953
Gene Symbol	KLC4
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: ETLEECALRSRRQGTDPISQTKVAELLGESDGRRTSQEGPGDSVKFEGGEDA SVAVEWSGDGSGLQSRGSLGKIRDVLRSSSELLV

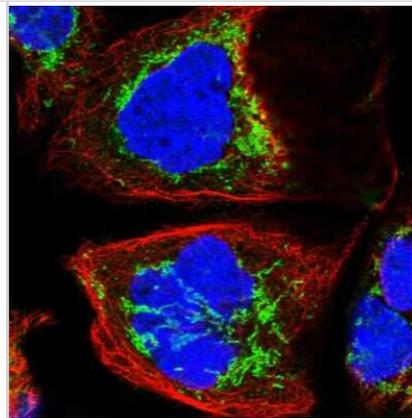
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100-1:500, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

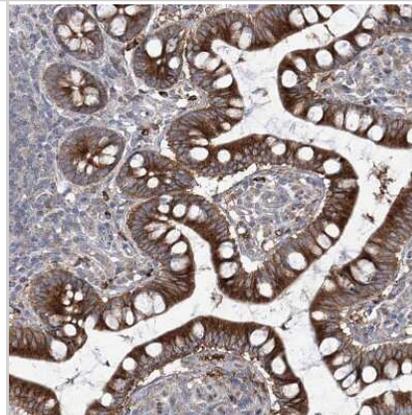
Western Blot: KLC4 Antibody [NBP1-88772] - Lane 1: Marker [kDa] 230, 130, 95, 72, 56, 36, 28, 17, 11. Lane 2: Human cell line RT-296



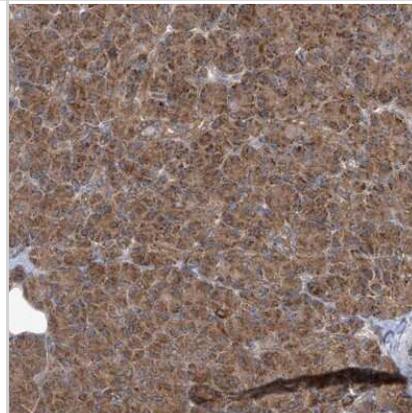
Immunocytochemistry/Immunofluorescence: KLC4 Antibody [NBP1-88772] - Immunofluorescent staining of human cell line A-431 shows localization to mitochondria.



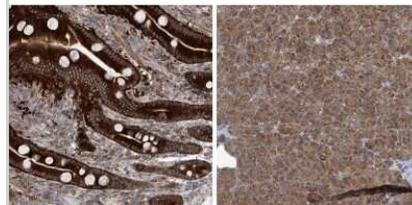
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human Small intestine shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human pancreas shows low expression as expected.



Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining in human duodenum and pancreas tissues using anti-KLC4 antibody. Corresponding KLC4 RNA-seq data are presented for the same tissues.



KLC4 in Duodenum

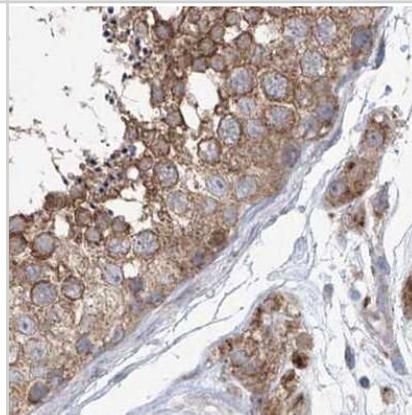
KLC4 in Pancreas



Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human adrenal gland, colon, kidney and testis using Anti-KLC4 antibody NBP1-88772 (A) shows similar protein distribution across tissues to independent antibody NBP1-88773 (B).



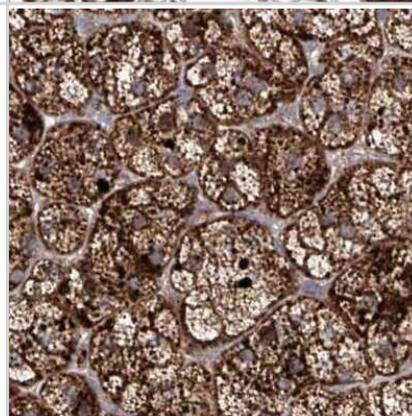
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human testis.



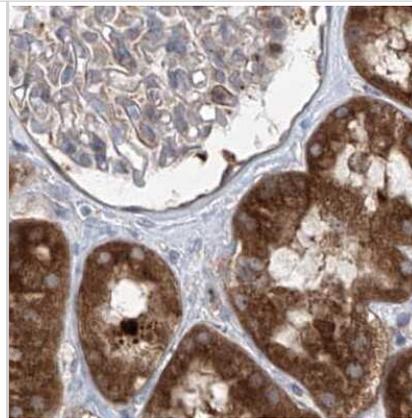
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human colon.



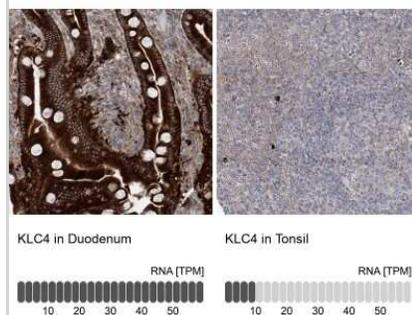
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human adrenal gland.



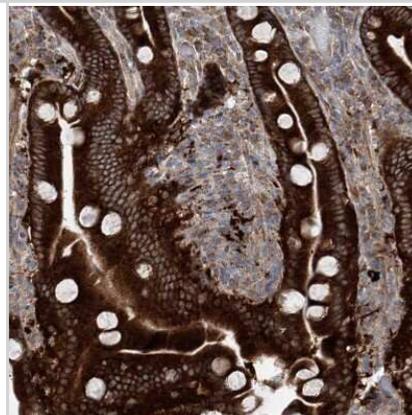
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human kidney.



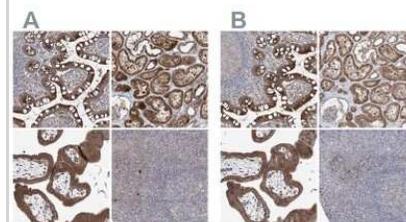
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Analysis in human duodenum and tonsil tissues using NBP1-88772 antibody. Corresponding KLC4 RNA-seq data are presented for the same tissues.



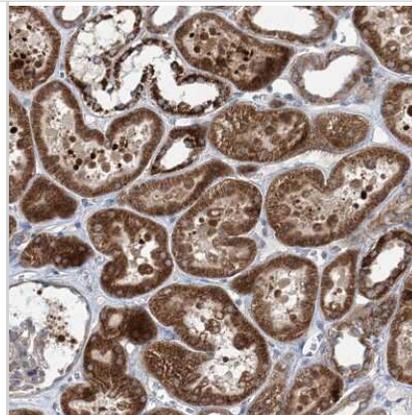
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human Duodenum shows strong cytoplasmic positivity in glandular cells.



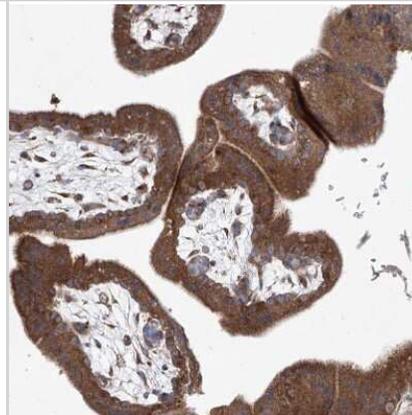
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human gastrointestinal, kidney, placenta and tonsil using Anti-KLC4 antibody NBP1-88772 (A) shows similar protein distribution across tissues to independent antibody NBP1-88773 (B).



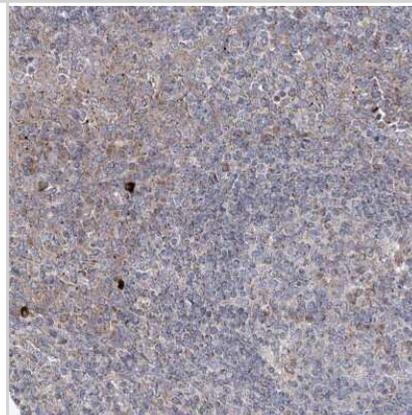
Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human Kidney shows moderate cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human Placenta shows strong cytoplasmic positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: KLC4 Antibody [NBP1-88772] - Staining of human Tonsil shows very weak cytoplasmic positivity in non-germinal center cells.





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### **Products Related to NBP1-88772**

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NBP1-88772PEP	KLC4 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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