Product Datasheet

CLIC4 Antibody - BSA Free

NBP1-85574

Unit Size: 0.1 ml

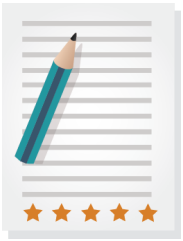
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-85574

Updated 12/2/2025 v.20.1



NBP1-85574

CLIC4 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

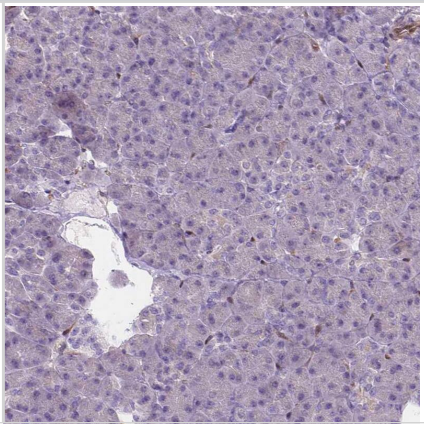
Description	Novus Biologicals Rabbit CLIC4 Antibody - BSA Free (NBP1-85574) is a polyclonal antibody validated for use in IHC and WB. Anti-CLIC4 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	25932
Gene Symbol	CLIC4
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: THPPFITFNSEVKTDVNKIEEFLEEVLCPPKYLKLSPKHPESNTAGMDIFAKFSA YIKNSRPEANEALERGLLKTLQKLDEYLNSPLPDEIDENSMEDIKFSTRKFLDGN EMTLADCNLLPKLHIVKVVAKKYRNFDIPKEMTGI

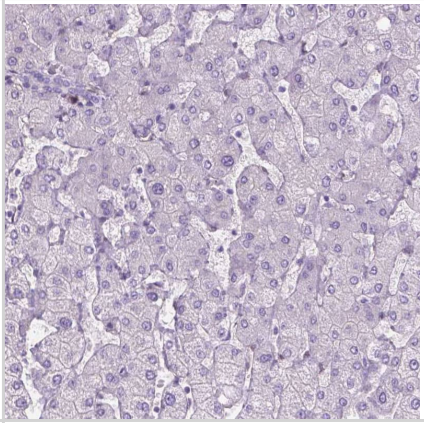
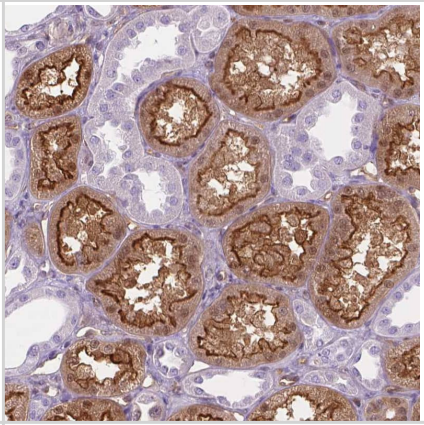
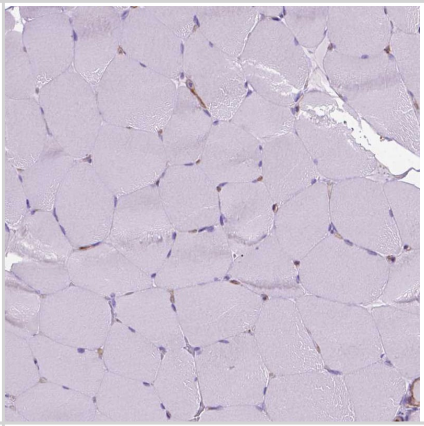
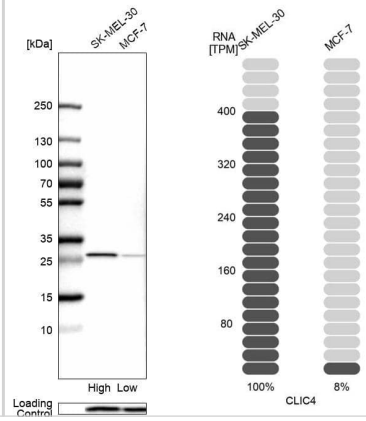
Product Application Details

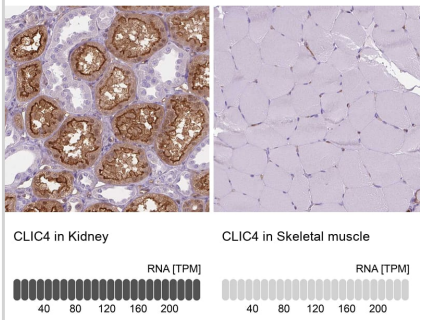
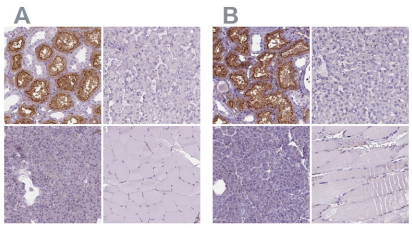
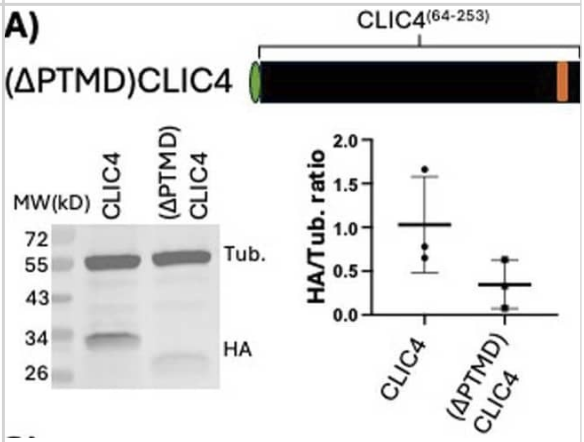
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Staining of human liver shows no positivity in hepatocytes as expected.	
Staining of human kidney shows strong membranous and cytoplasmic positivity in cells in tubules.	
Staining of human skeletal muscle shows no positivity in myocytes as expected.	
Analysis in human cell lines SK-MEL-30 and MCF-7 using Anti-CLIC4 antibody. Corresponding CLIC4 RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.	

Immunohistochemistry analysis in human kidney and skeletal muscle tissues using HPA008019 antibody. Corresponding CLIC4 RNA-seq data are presented for the same tissues.	
Staining of human kidney, liver, pancreas and skeletal muscle using Anti-CLIC4 antibody NBP1-85574 (A) shows similar protein distribution across tissues to independent antibody NBP2-49321 (B).	
The N-terminal putative transmembrane domain (PTMD) is required for CLIC4 re-localization and Rac1 activation in response to S1P. (A) cartoon representation of the HA-tagged (ΔPTMD)CLIC4 construct, and western blot analysis and quantification of its expression in HUVEC (see Methods), as compared to full-length HA-CLIC4. (B) Immunofluorescence of full-length HA-tagged CLIC4 (top) and (ΔPTMD)CLIC4, and their localization after treatment with S1P. Yellow arrows denote PM localization. Scale bar represents 50 um in all panels. (C) the (ΔPTMD)CLIC4 construct does not rescues the Rac1 activation defect caused by CLIC4KD, as assessed by G-LISA. (D) the (ΔPTMD)CLIC4 construct does not rescue the TEER defect caused by CLIC4KD. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/40235733), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Mao Y, Kleinjan ML, Jilishitz I et al. CLIC1 and CLIC4 mediate endothelial S1P receptor signaling to facilitate Rac1 and RhoA activity and function Science signaling 2021-04-20 [PMID: 33879602]

Yan H, Zhang X, Hu W et al. Histamine H3 receptors aggravate cerebral ischaemic injury by histamine-independent mechanisms. Nat Commun 2014-02-25 [PMID: 24566390]

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. Nat Methods 2013-04-01 [PMID: 23435261]

Lomnytska MI, Becker S, Gemoll T et al. Impact of genomic stability on protein expression in endometrioid endometrial cancer. Br J Cancer 2012-03-27 [PMID: 22415234]

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-85574

NBP1-85574PEP	CLIC4 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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-85574

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications