

Product Datasheet

CYC1 Antibody - BSA Free NBP1-86872

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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NBP1-86872

CYC1 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

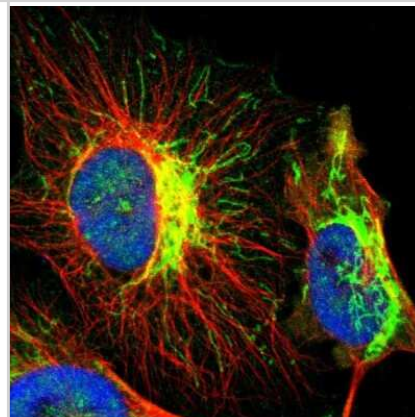
Product Description	
Description	Novus Biologicals Rabbit CYC1 Antibody - BSA Free (NBP1-86872) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CYC1 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1537
Gene Symbol	CYC1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NSEAARAANNGALPPDLSYIVRARHGGEDYVFSLLTGYCEPPTGVSLREGLYF NPYFPGQAIAMAPPIYTDVLEFDDGTPATMSQIAKDVCTFLRWASEPEHDHRK RMGLKMLMMALLVPLVYTIKRHKWSVLKSRKLAYR

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.



Images

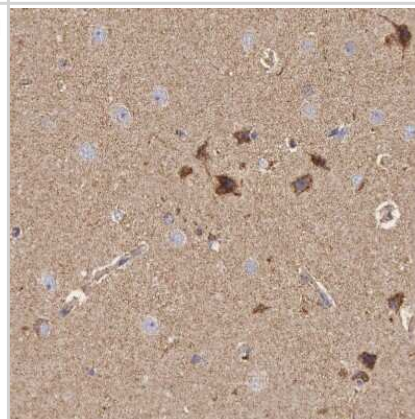
Immunocytochemistry/Immunofluorescence: CYC1 Antibody [NBP1-86872] - Staining of human cell line U-251 MG shows localization to mitochondria. Antibody staining is shown in green.



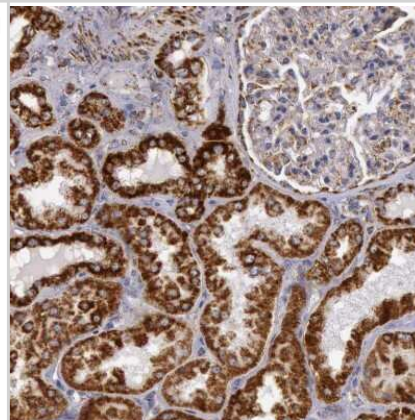
CYC1-Antibody-Immunohistochemistry-NBP1-86872-img0018.jpg



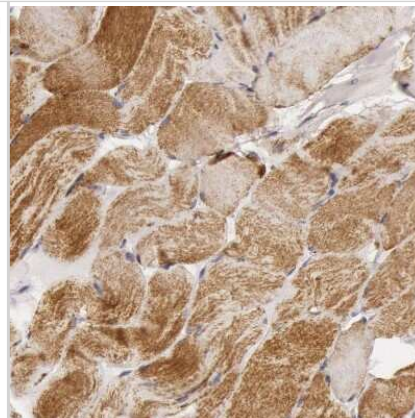
Immunohistochemistry-Paraffin: CYC1 Antibody [NBP1-86872] - Staining of human cerebral cortex shows moderate granular positivity in cytoplasm in neurons.



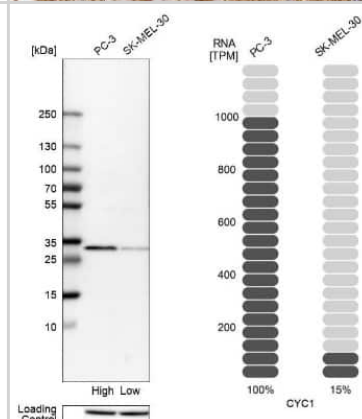
Immunohistochemistry-Paraffin: CYC1 Antibody [NBP1-86872] - Staining of human kidney shows strong granular positivity in cytoplasm in cells in tubules.



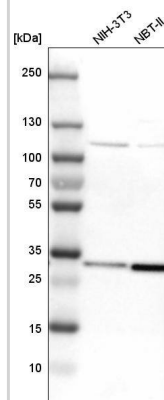
Immunohistochemistry-Paraffin: CYC1 Antibody [NBP1-86872] - Staining of human skeletal muscle shows moderate granular positivity in cytoplasm in myocytes.



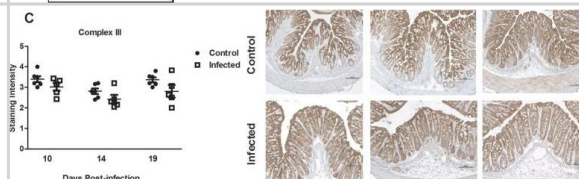
Western Blot: CYC1 Antibody [NBP1-86872] - Analysis in human cell lines PC-3 and SK-MEL-30. Corresponding CYC1 RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



Tissue localization and semi-quantification of the mitochondrial respiratory enzyme complexes in the murine distal colon during *C. rodentium* infection. Immunohistochemical staining using antibodies for (A) MTND6 (complex I) (B) SDHA (complex-II) (C) CYC1 (complex-III) (D) CCO-VIc (complex-IV). Statistics: unpaired t test. *P < 0.05, **P < 0.01, ***P < 0.001 vs. control, n = 5–6 mice/group. The infection experiments were performed twice, and each time point contain results pooled from 5–6 mice. Scale bar 100 μ m, magnification \times 200. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/26481427>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Aleksandrov A, Bankov B, Djeliova V et al. Synergistic Upregulation of Extracellular Vesicles and Cell-Free Nucleic Acids by Chloroquine and Temozolomide in Glioma Cell Cultures. *International journal of molecular sciences* 2025-10-16 [PMID: 41096957]

Spoorthi B, More S, Gautham S et al. Role of Free Radical Scavenging Activity of Vasoactive Intestinal Peptide in the Attenuation of Mitochondrial Dysfunction to Ameliorate Dextran Sulphate Sodium Induced Colitis in Mice: Implications in Ulcerative Colitis *J Dig Dis* 2021-01-06 [PMID: 33405317]

Solvik TA, Nguyen TA, Tony Lin YH et al. Secretory autophagy maintains proteostasis upon lysosome inhibition *The Journal of cell biology* [PMID: 35446347]

Maiti Ak, Sharba S, Navabi N, Linden Sk. Colonic levels of vasoactive intestinal peptide decrease during infection and exogenous VIP protects epithelial mitochondria against the negative effects of IFN γ and TNF α induced during *Citrobacter rodentium* infection. *PLoS ONE*. 2018-09-25 [PMID: 30252907] (IF/IHC, Mouse)

Chishiki M, Takagi K, Sato A et al. Cytochrome c1 in ductal carcinoma in situ of breast associated with proliferation and comedo necrosis *Cancer Sci*. 2017-07-01 [PMID: 28394473] (Human)

Desmurs M, Foti M, Raemy E et al. C11orf83, a Mitochondrial Cardiolipin-Binding Protein Involved in bc1 Complex Assembly and Supercomplex Stabilization. *Mol Cell Biol* 2015-04-01 [PMID: 25605331] (WB, Human)

Maiti AK, Sharba S, Navabi N et al. IL-4 Protects the Mitochondria Against TNF α and IFN γ Induced Insult During Clearance of Infection with *Citrobacter rodentium* and *Escherichia coli*. *Sci Rep*. 2015-10-20 [PMID: 26481427] (IHC-P, Mouse)

Kato BS, Nicholson G, Neiman M et al. Variance decomposition of protein profiles from antibody arrays using a longitudinal twin model. *Proteome Sci* 2011-11-17 [PMID: 22093360]



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Products Related to NBP1-86872

NBP1-86872PEP	CYC1 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.

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