

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

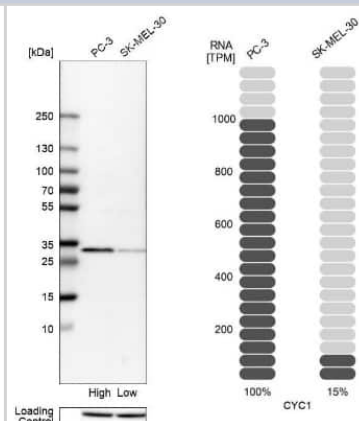
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	1537
Gene Symbol	CYC1
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 25605331).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NSEAARAANNGALPPDLSYIVRARHGGEDYVFSLLTGYCEPPTGVSLEGLYF NPYFPGQAIAMAPPIYTDVLEFDDGTPATMSQIAKDVCTFLRWASEPEHDHRK RMGLKMLMMALLVPLVYTIKRHKWSVLKSRKLAYR

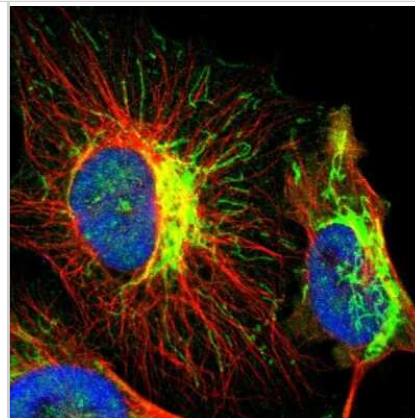
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	IHC-P reported in scientific literature (PMID: 26481427). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

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.



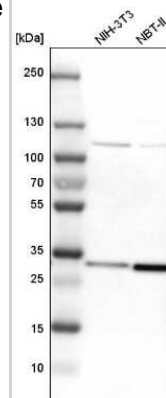
Immunocytochemistry/Immunofluorescence: CYC1 Antibody [NBP1-86872] - Staining of human cell line U-251 MG shows localization to mitochondria. Antibody staining is shown in green.



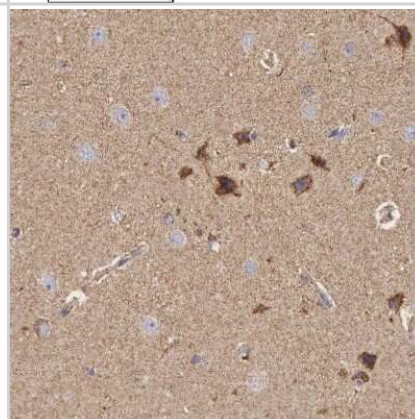
CYC1-Antibody-Immunohistochemistry-NBP1-86872-img0018.jpg



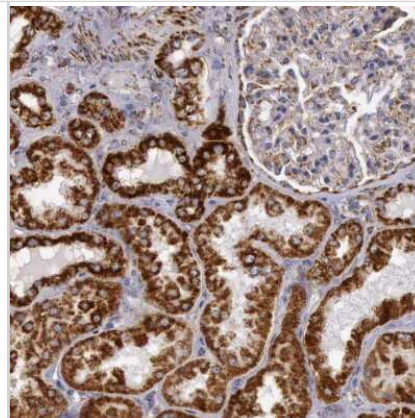
Western Blot: CYC1 Antibody [NBP1-86872] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



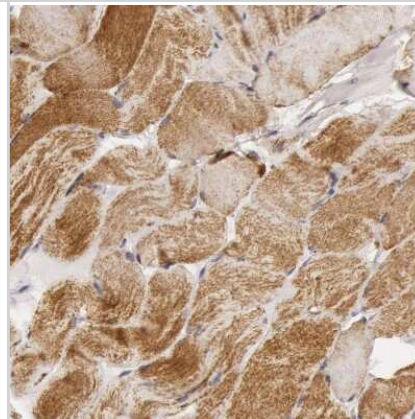
Immunohistochemistry-Paraffin: CYC1 Antibody [NBP1-86872] - Staining of human cerebral cortex shows moderate granular positivity in cytoplasm in neurons.



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.



Publications

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
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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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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