

Product Datasheet

Cytochrome b5 Outer Mitochondrial Membrane Antibody - BSA Free NBP1-88039

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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Publications: 3

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NBP1-88039**Cytochrome b5 Outer Mitochondrial Membrane Antibody - BSA Free**

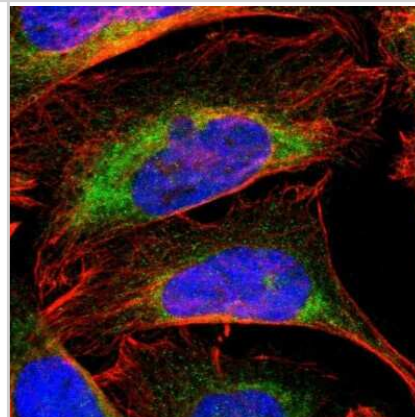
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit Cytochrome b5 Outer Mitochondrial Membrane Antibody - BSA Free (NBP1-88039) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Cytochrome b5 Outer Mitochondrial Membrane Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	80777
Gene Symbol	CYB5B
Species	Human, Mouse
Reactivity Notes	Reactivity reported in scientific literature (PMID: 22203676), Mouse reactivity reported in scientific literature (PMID: 25144769).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EVETSVTYYYRLEEVAKRNSLKLWLVHGRVYDVTRFLNEHPGGEEVLLEQAG VDASESFEDVGHSSDAREMLKQYYIGDIHPSDLKPESGSKD

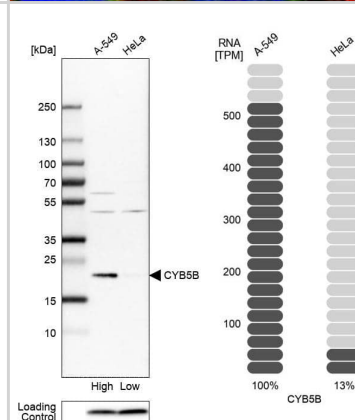
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	WB reported in scientific literature (PMID: 25144769). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

Images

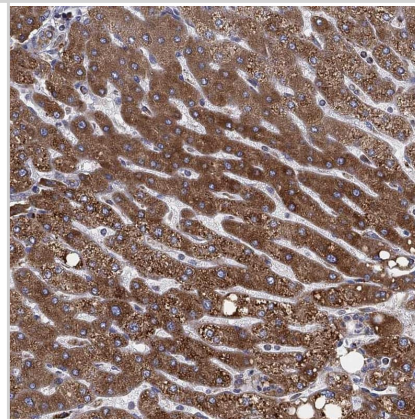
Immunocytochemistry/Immunofluorescence: Cytochrome b5 Outer Mitochondrial Membrane Antibody [NBP1-88039] - Immunofluorescent staining of human cell line U-2 OS shows localization to endoplasmic reticulum. Antibody staining is shown in green.



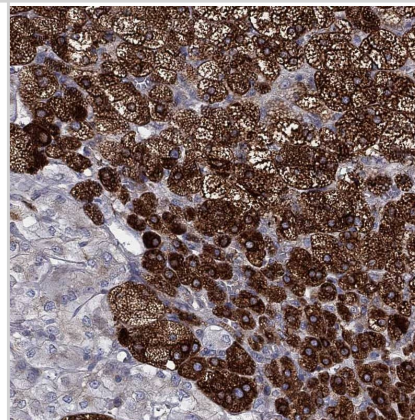
Analysis in human cell lines A-549 and HeLa using Anti-CYB5B antibody. Corresponding CYB5B RNA-seq data are presented for the same cell lines. Loading control: Anti-COX4I1.



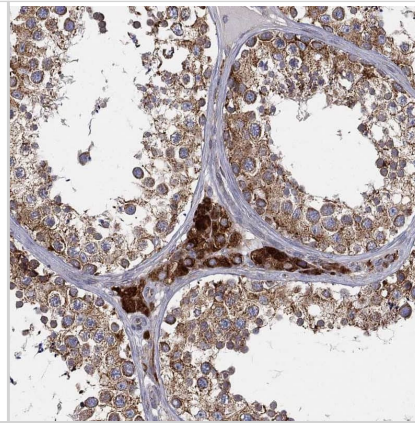
Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



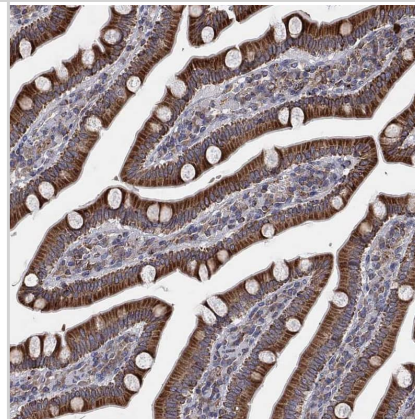
Staining of human adrenal gland shows strong granular cytoplasmic positivity in glandular cells.



Staining of human testis shows strong cytoplasmic positivity in Leydig cells.



Staining of human gastrointestinal shows strong granular cytoplasmic positivity in glandular cells.



Publications

Antico O, Ordureau A, Stevens M Et al. Global ubiquitylation analysis of mitochondria in primary neurons identifies endogenous Parkin targets following activation of PINK1 Science advances 2021-11-12 [PMID: 34767452] (WB, Mouse)

Jakobs HH, Mikula M, Havemeyer A et al. The N-Reductive System Composed of Mitochondrial Amidoxime Reducing Component (mARC), Cytochrome b5 (CYB5B) and Cytochrome b5 Reductase (CYB5R) Is Regulated by Fasting and High Fat Diet in Mice. PLoS One 2014-01-01 [PMID: 25144769] (WB, Mouse)

Neve EP, Nordling A, Andersson TB et al. Amidoxime reductase system containing cytochrome b5 type B (CYB5B) and MOSC2 is of importance for lipid synthesis in adipocyte mitochondria. J Biol Chem 2012-02-24 [PMID: 22203676]



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Products Related to NBP1-88039

NBP1-88039PEP	Cytochrome b5 Outer Mitochondrial Membrane 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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