

# Product Datasheet

## MRPL40 Antibody - BSA Free NBP1-82620

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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**NBP1-82620**

MRPL40 Antibody - BSA Free

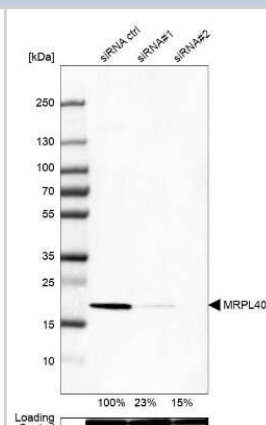
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	64976
Gene Symbol	MRPL40
Species	Human, Mouse, Rat
Marker	Mitochondrial Matrix Marker
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TQLRETQELIPIEDFITPLKFLDKARERPQVELTFEETERRALLLKKWSLYKQQE RKMERDTIRAMLEAQQEALEELQLESPKLHAEAIKRDPNLFPFEKEGPHYTPPI PNYQPPEGRYNDITK

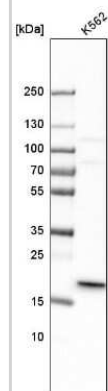
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

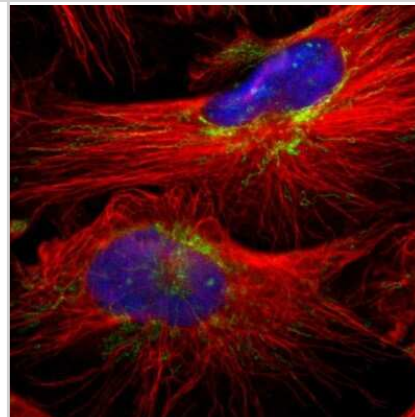
Western Blot: MRPL40 Antibody [NBP1-82620] - Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1 and #2,. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



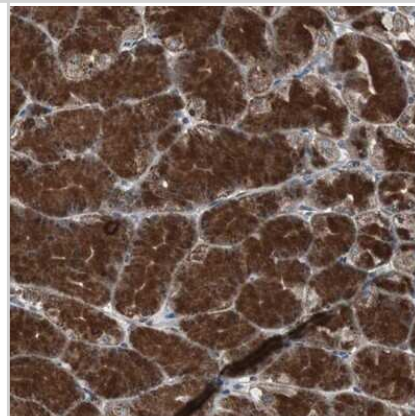
Western Blot: MRPL40 Antibody [NBP1-82620] - Analysis in human cell line K562.



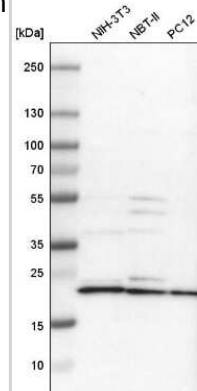
Immunocytochemistry/Immunofluorescence: MRPL40 Antibody [NBP1-82620] - Staining of human cell line U-251 MG shows localization to nucleoli & mitochondria. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: MRPL40 Antibody [NBP1-82620] - Staining of human stomach shows strong cytoplasmic positivity in glandular cells.



Western Blot: MRPL40 Antibody [NBP1-82620] - Western blot analysis in mouse cell line NIH-3T3, rat cell line NBT-II and rat cell line pC12.



## Publications

Li J, Ryan SK, Deboer E et al. Mitochondrial deficits in human iPSC-derived neurons from patients with 22q11.2 deletion syndrome and schizophrenia *Transl Psychiatry* 2019-11-18 [PMID: 31740674] (WB, Human)

Tappenden DM, Hwang HJ, Yang L et al. The Aryl-Hydrocarbon Receptor Protein Interaction Network (AHR-PIN) as Identified by Tandem Affinity Purification (TAP) and Mass Spectrometry. *J Toxicol* 2013-01-01 [PMID: 24454361]

Sotgia F, Whitaker-Menezes D, Martinez-Outschoorn UE et al. Mitochondria fuel breast cancer metabolism: Fifteen markers of mitochondrial biogenesis label epithelial cancer cells, but are excluded from adjacent stromal cells. *Cell Cycle* 2012-12-01 [PMID: 23172368] (IF/IHC, Human)





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### **Products Related to NBP1-82620**

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NBP1-82620PEP	MRPL40 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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### **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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