

Product Datasheet

MRPS22 Antibody - BSA Free NBP1-86787

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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NBP1-86787

MRPS22 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

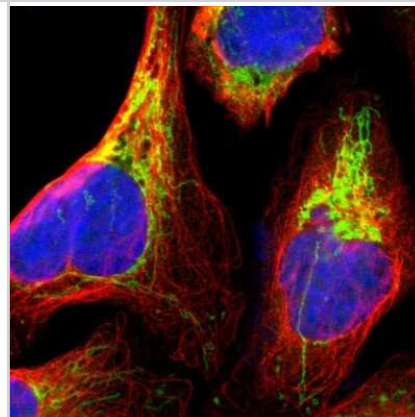
Product Description	
Description	Novus Biologicals Rabbit MRPS22 Antibody - BSA Free (NBP1-86787) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MRPS22 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	56945
Gene Symbol	MRPS22
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 23172368).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TKKPTFMDEEVQSILTKMTGLNLQKTFKPAIQELKPPTYKLMTQAQLEEATRQA VEAAKVRCLKMPPVLEERVPIINDVLAEDKILEGTETTKYVFTDISYSIPHRERFIVV REPSGTLRKA

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
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, Knockdown Validated
Application Notes	IHC reported in scientific literature (PMID: 23172368). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

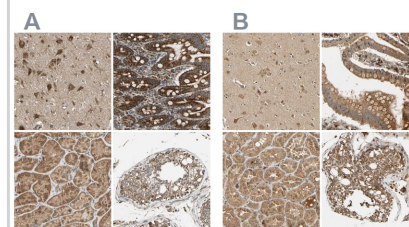


Images

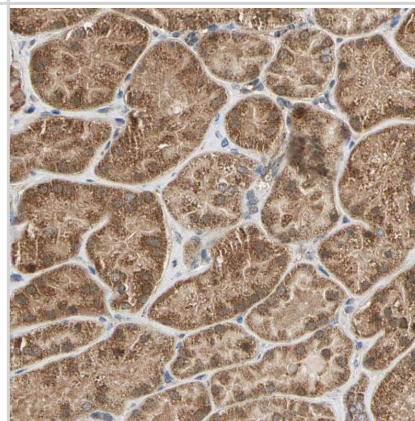
Immunocytochemistry/Immunofluorescence: MRPS22 Antibody [NBP1-86787] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



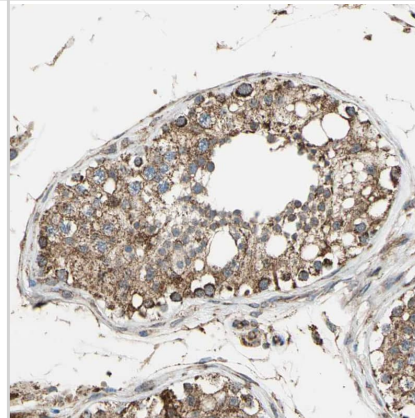
Staining of human cerebral cortex, gastrointestinal, kidney and testis using Anti-MRPS22 antibody NBP1-86787 (A) shows similar protein distribution across tissues to independent antibody NBP1-86788 (B).



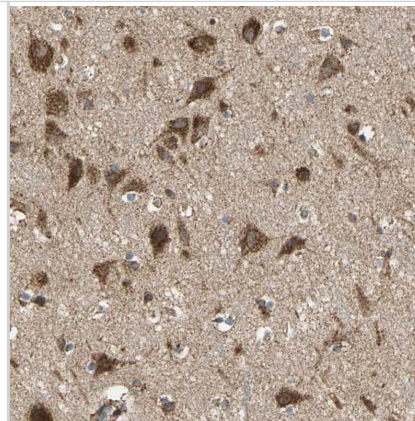
Staining of human kidney shows moderate granular cytoplasmic positivity in cells in tubules.



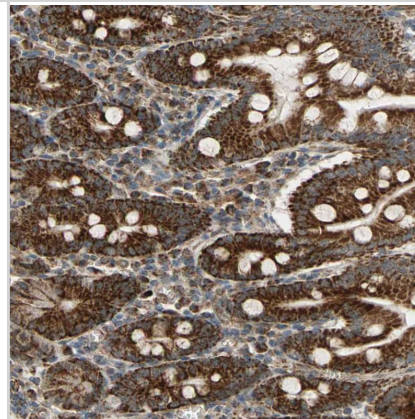
Staining of human testis shows moderate granular cytoplasmic positivity in cells in seminiferous ducts.



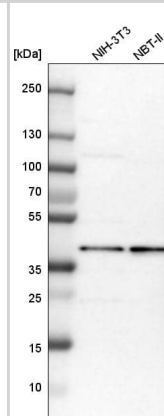
Staining of human cerebral cortex shows strong granular cytoplasmic positivity in neurons.



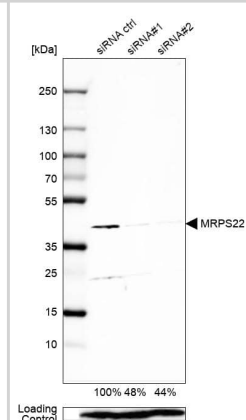
Staining of human small intestine shows strong granular cytoplasmic positivity in glandular cells.



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



Analysis in Caco-2 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-MRPS22 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Publications

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 NBP1-86787

NBP1-86787PEP	MRPS22 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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