

Product Datasheet

SHMT1 Antibody - BSA Free

NBP1-85437

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



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NBP1-85437

SHMT1 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), 40% Glycerol

Product Description

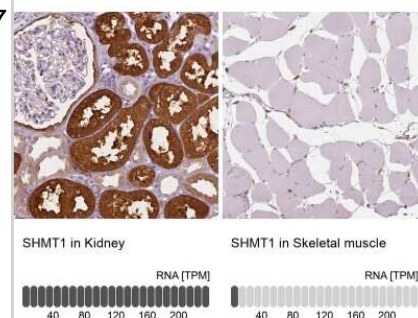
Description	Novus Biologicals Rabbit SHMT1 Antibody - BSA Free (NBP1-85437) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-SHMT1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6470
Gene Symbol	SHMT1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: MTMPVNGAHKADLDWSSHDKMLAQPLKDSDEVYNIKKESNRQRVGLELIAS ENFASRAVLEALGSL

Product Application Details

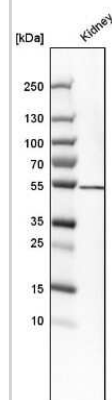
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/mL, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/mL, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

Images

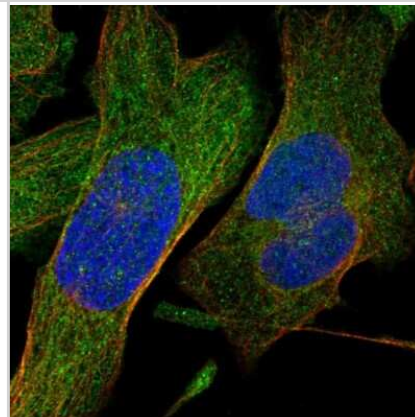
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining in human kidney and skeletal muscle tissues using NBP1-85437 antibody. Corresponding SHMT1 RNA-seq data are presented for the same tissues.



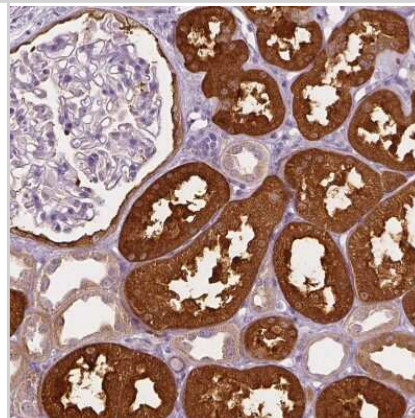
Western Blot: SHMT1 Antibody [NBP1-85437] - Analysis in human kidney tissue.



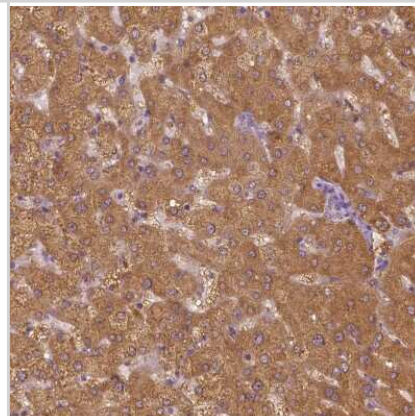
Immunocytochemistry/Immunofluorescence: SHMT1 Antibody [NBP1-85437] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleus & cytosol.



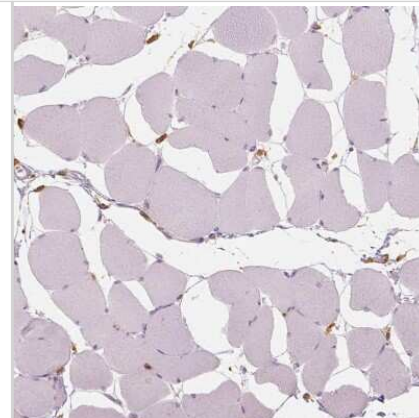
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



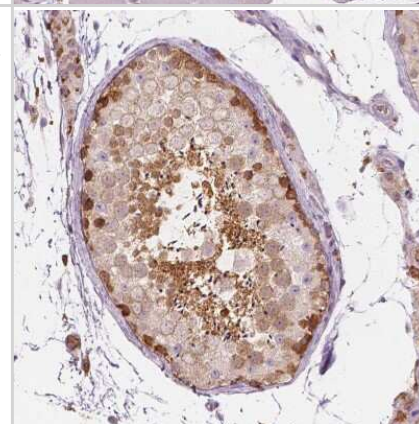
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human testis shows moderate to strong cytoplasmic positivity in cells in seminiferous ducts.



Publications

Nilsson LM, Forshell TZ, Rimpi S et al. Mouse genetics suggests cell-context dependency for Myc-regulated metabolic enzymes during tumorigenesis. PLoS Genet 2012 [PMID: 22438825]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-85437

NBP1-85437PEP	SHMT1 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

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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