

Product Datasheet

SHMT2 Antibody NBP1-80755

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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NBP1-80755

SHMT2 Antibody

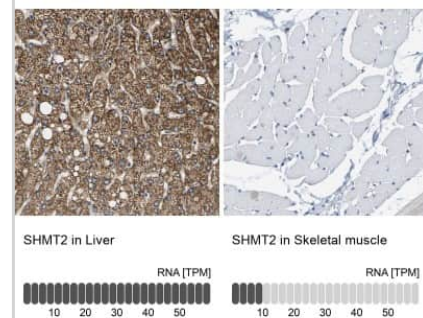
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	6472
Gene Symbol	SHMT2
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 24498411).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GQLVRMAIRAQHSNAAQTQTGEANRGWTGQESLSDSDPEMWELLQREKDRQ CRGLELIASENFCSRAALEAL

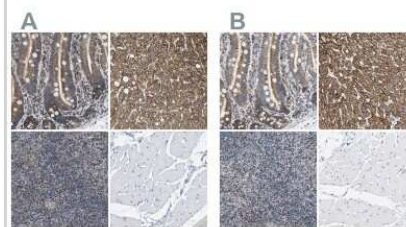
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

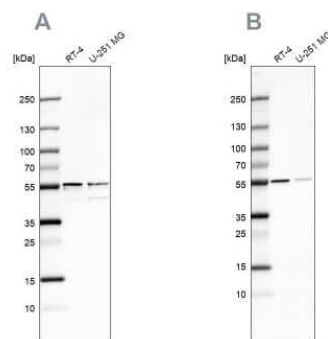
Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Analysis in human liver and skeletal muscle tissues using NBP1-80755 antibody. Corresponding SHMT2 RNA-seq data are presented for the same tissues.



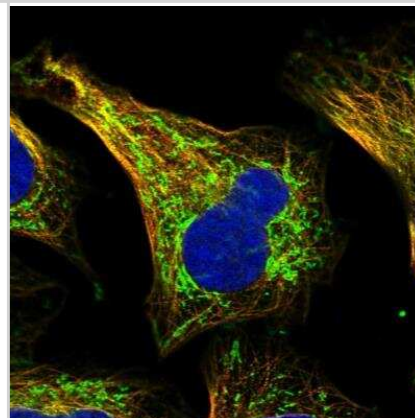
Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Staining of human duodenum, liver, lymph node and skeletal muscle using Anti-SHMT2 antibody NBP1-80755 (A) shows similar protein distribution across tissues to independent antibody NBP1-80754 (B).



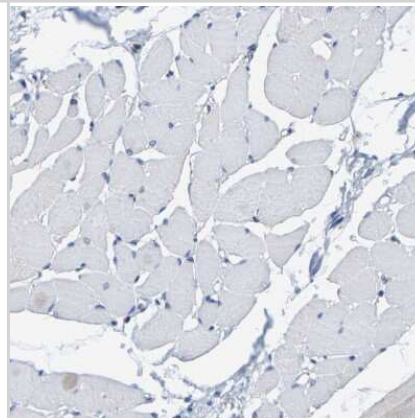
Western Blot: SHMT2 Antibody [NBP1-80755] - Analysis using Anti-SHMT2 antibody NBP1-80755 (A) shows similar pattern to independent antibody NBP1-80754 (B).



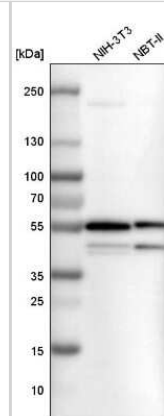
Immunocytochemistry/Immunofluorescence: SHMT2 Antibody [NBP1-80755] - Staining of human cell line U-2 OS shows localization to mitochondria & microtubules. Antibody staining is shown in green.



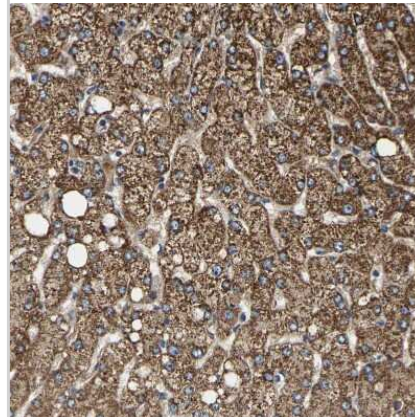
Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Western Blot: SHMT2 Antibody [NBP1-80755] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



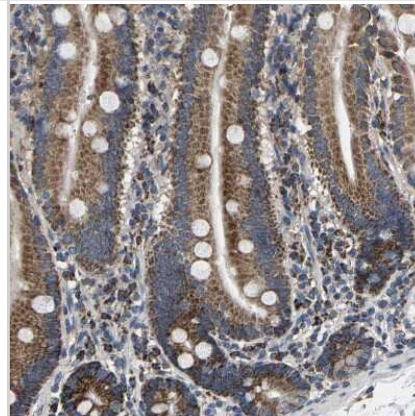
Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Staining of human liver shows moderate granular cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Staining of human lymph node shows moderate granular cytoplasmic positivity in non-germinal center cells.



Immunohistochemistry-Paraffin: SHMT2 Antibody [NBP1-80755] - Staining of human duodenum shows moderate granular cytoplasmic positivity in glandular cells.



Publications

Dyshlovoy S, Shubina L, Makarieva T et al. New Guanidine Alkaloids Batzelladines O and P from the Marine Sponge *Monanchora pulchra* Induce Apoptosis and Autophagy in Prostate Cancer Cells *Marine Drugs* 2022-11-25 [PMID: 36547885] (WB, Human)

Redeker KM, Jensen O, Gebauer L et al. Atypical Substrates of the Organic Cation Transporter 1 *Biomolecules* 2022-11-09 [PMID: 36359014] (ICC/IF, Human)

Chen J, Na R, Xiao C et al. The loss of SHMT2 mediates 5-fluorouracil chemoresistance in colorectal cancer by upregulating autophagy *Oncogene* 2021-05-14 [PMID: 33990700]

Kjellin H, Johansson H, Hoog A et al. Differentially Expressed Proteins in Malignant and Benign Adrenocortical Tumors. *PLoS One* 2014-01-01 [PMID: 24498411]





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 NBP1-80755

NBP1-80755PEP	SHMT2 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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