

# 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](http://www.novusbio.com)



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Updated 12/2/2025 v.20.1

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**NBP1-85437**

SHMT1 Antibody - BSA Free

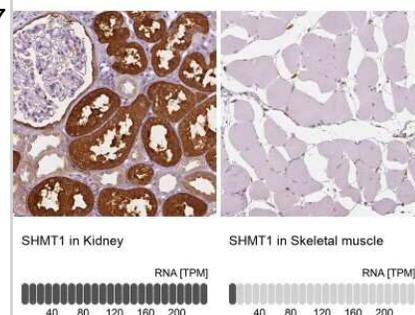
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

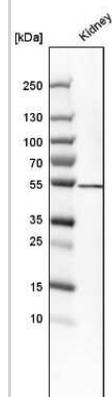
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/mL, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25 - 2 ug/mL, Immunohistochemistry-Paraffin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

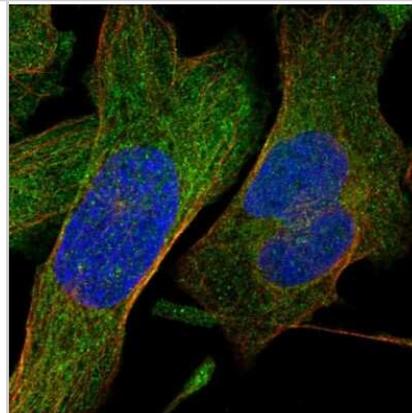
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining in human kidney and skeletal muscle tissues using NBP1-85437 antibody. Corresponding SHMT1 RNA-seq data are presented for the same tissues.



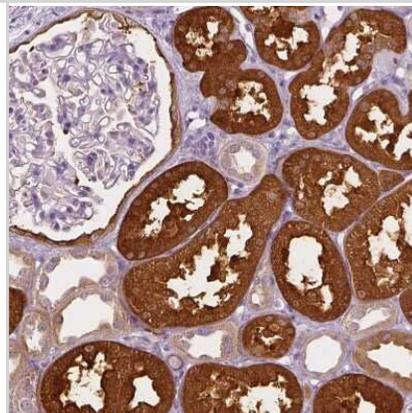
Western Blot: SHMT1 Antibody [NBP1-85437] - Analysis in human kidney tissue.



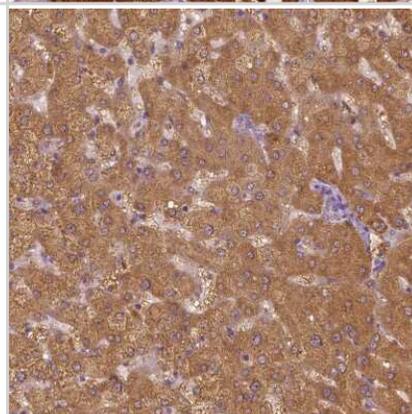
Immunocytochemistry/Immunofluorescence: SHMT1 Antibody [NBP1-85437] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleus & cytosol.



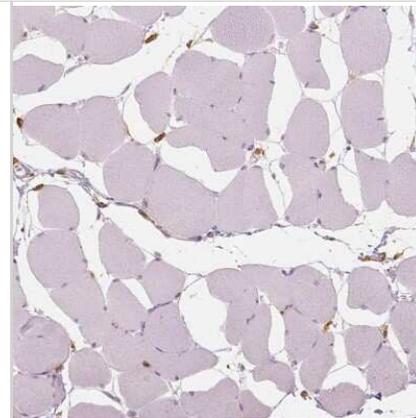
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



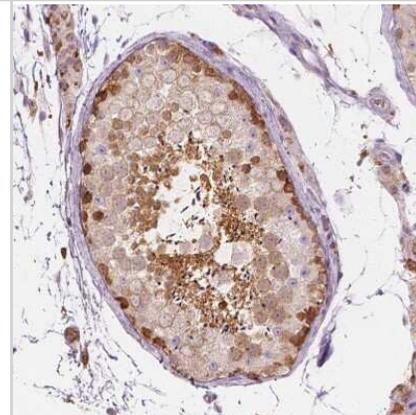
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP1-85437] - Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



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]



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### **Products Related to NBP1-85437**

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NBP1-85437PEP	SHMT1 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

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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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