

# Product Datasheet

## SHMT1 Antibody - BSA Free

### NBP2-32173

Unit Size: 100 ul

Store at 4C. Do not freeze.

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



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#### Publications: 2

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Updated 9/9/2025 v.20.1

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**NBP2-32173**

SHMT1 Antibody - BSA Free

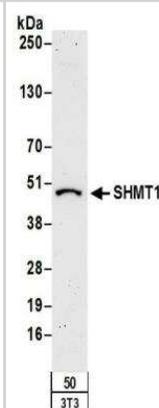
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

Product Description	
Description	Novus Biologicals Rabbit SHMT1 Antibody - BSA Free (NBP2-32173) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-SHMT1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6470
Gene Symbol	SHMT1
Species	Human, Mouse
Immunogen	The immunogen this antibody was made to, maps to a region between residue 453 to 483 of human Serine Hydroxymethyltransferase 1 using the numbering given in entry NP_004160.3 (GeneID 6470).

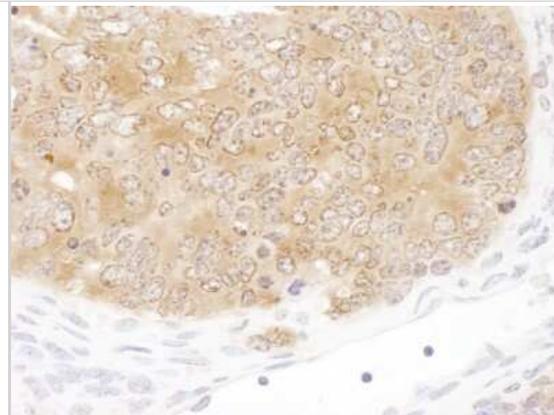
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:2500, ELISA Reported in scientific literature (PMID 27695002). , Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 2 - 10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

**Images**

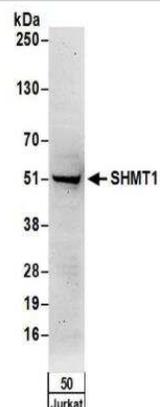
Western Blot: SHMT1 Antibody [NBP2-32173] - Samples: Whole cell lysate (50 ug) from NIH3T3 cells. Antibodies: Affinity purified rabbit anti-SHMT1 antibody NBP2-32173 used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



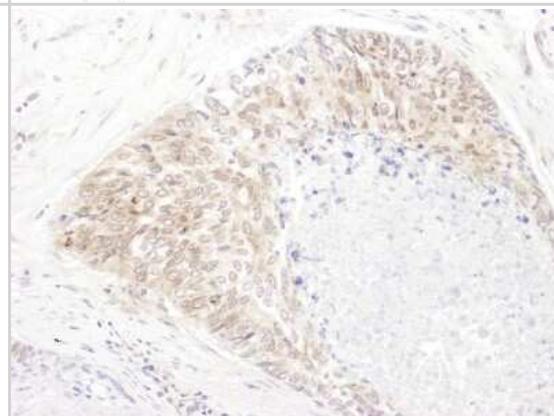
Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP2-32173] - Section of mouse teratoma. Antibody: Affinity purified rabbit anti- SHMT1 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: Hematoxylin (blue).



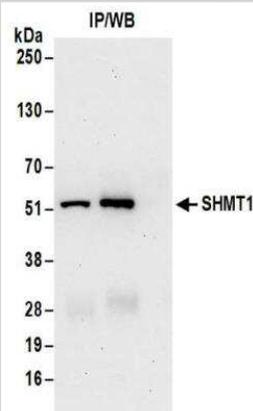
Western Blot: SHMT1 Antibody [NBP2-32173] - Samples: Whole cell lysate (50 ug) from Jurkat cells. Antibodies: Affinity purified rabbit anti-SHMT1 NBP2-32173 used for WB at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunohistochemistry-Paraffin: SHMT1 Antibody [NBP2-32173] - Section of human lung cancer. Antibody: Affinity purified rabbit anti-SHMT1 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: Hematoxylin (blue).



Immunoprecipitation: SHMT1 Antibody [NBP2-32173] - Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells. Antibodies: Affinity purified rabbit anti-SHMT1 antibody NBP2-32173 used for IP at 6 ug per reaction. SHMT1 was also immunoprecipitated by rabbit anti-SHMT1 antibody BL15560. For blotting immunoprecipitated SHMT1, NBP2-32173 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



## Publications

Rowe JH, Elia I, Shahid O et al. Formate supplementation enhances anti-tumor CD8+ T cell fitness and efficacy of PD-1 blockade Cancer discovery 2023-09-20 [PMID: 37728660]

Sage PT, Ron-Harel N, Juneja VR et al. Suppression by TFR cells leads to durable and selective inhibition of B cell effector function. Nat. Immunol. 2016-10-03 [PMID: 27695002] (ELISA, Mouse)



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### **Products Related to NBP2-32173**

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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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