

Product Datasheet

MPST Antibody - BSA Free

NBP1-82617

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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NBP1-82617

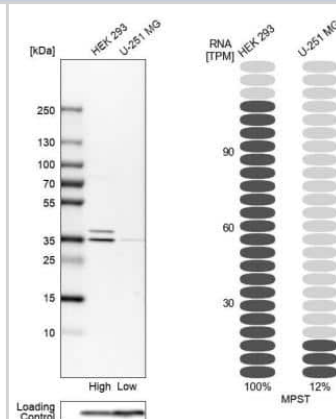
MPST Antibody - BSA Free

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) and 40% Glycerol
Target Molecular Weight	33 kDa
Product Description	
Host	Rabbit
Gene ID	4357
Gene Symbol	MPST
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23215842). Mouse reactivity reported in scientific literature (PMID: 27521839). Use in Rat reported in scientific literature (PMID:32215177).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AVSLLDGGRLRHWLRQNLPLSSGKSQPAPAEFRAQLDPAFIKTYEDIKENLESRR FQVVDSRATGRFRGTEPEPRDGIPEGHIPGTVNIPFTDFLSQEGLEKSP EIRHL FQEKKVDLSKPLVATCGSGVTACHVALGAYLCGKPD
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. IHC-Paraffin HIER pH6 retrieval is recommended.

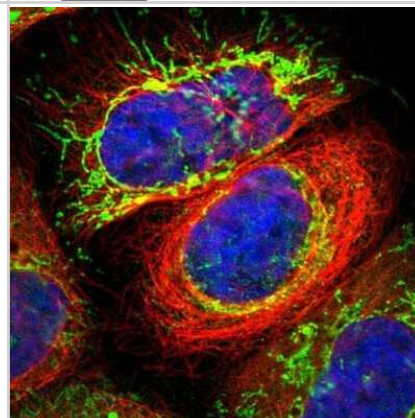


Images

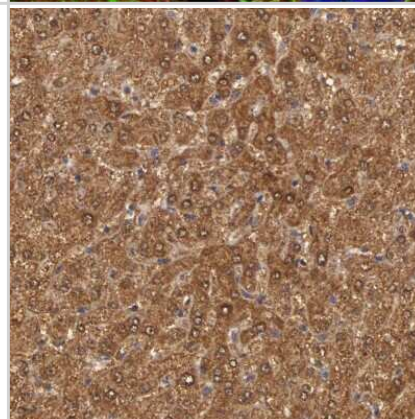
Western Blot: MPST Antibody [NBP1-82617] - Analysis in human cell lines HEK293 and U-251MG. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.



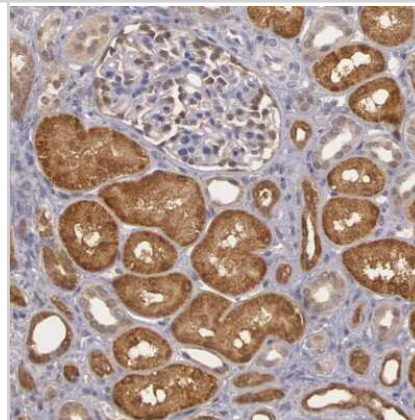
Immunocytochemistry/Immunofluorescence: MPST Antibody [NBP1-82617] - Staining of human cell line A-431 shows positivity in mitochondria. Antibody staining is shown in green.



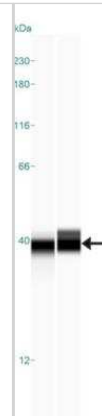
Immunohistochemistry-Paraffin: MPST Antibody [NBP1-82617] - Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



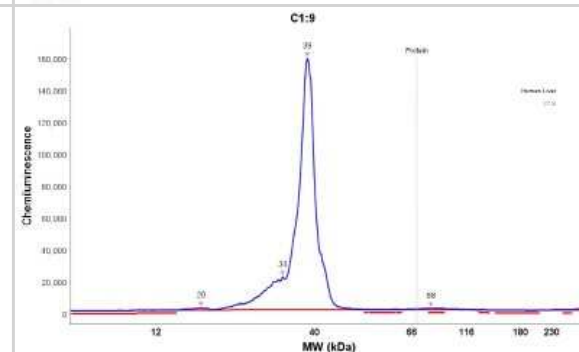
Immunohistochemistry-Paraffin: MPST Antibody [NBP1-82617] - Staining of human kidney shows moderate to strong granular cytoplasmic positivity in cells in tubules.



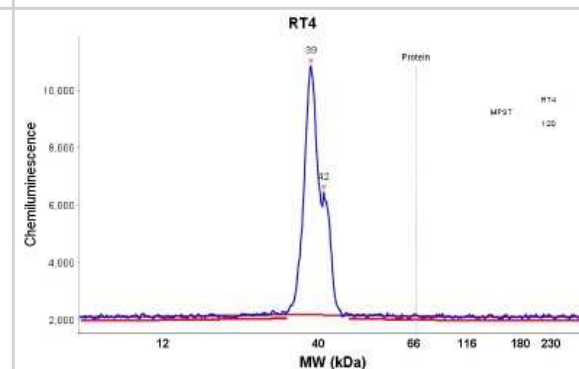
Simple Western: MPST Antibody [NBP1-82617] - Simple Western lane view shows a specific band for MPST in 0.2 mg/ml of Liver lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: MPST Antibody [NBP1-82617] - Electropherogram image(s) of corresponding Simple Western lane view. MPST antibody was used at 1:20 dilution on Liver lysate(s).



Simple Western: MPST Antibody [NBP1-82617] - Electropherogram image(s) of corresponding Simple Western lane view. MPST antibody was used at 1:20 dilution on RT-4 lysate(s).



Publications

Li M, Xu C, Shi J et Al. Fatty acids promote fatty liver disease via the dysregulation of 3-mercaptopyruvate sulfurtransferase/hydrogen sulfide pathway Gut 2018-12-01 [PMID: 28877979]

Md. Aejaazur Rahman, Bridgette M. Cumming, Kelvin W. Addicott, Hayden T. Pacl, Shannon L. Russell, Kievershen Nargan, Threnesan Naidoo, Pratistadevi K. Ramdial, John H. Adamson, Rui Wang, Adrie J. C. Steyn Hydrogen sulfide dysregulates the immune response by suppressing central carbon metabolism to promote tuberculosis Proceedings of the National Academy of Sciences of the United States of America 2020-03-24 [PMID: 32139610]

Yilmaz-Oral D, Kaya-Sezginer E, Asker H, Gur S. Co-administration of sodium hydrosulfide and tadalafil modulates hypoxia and oxidative stress on bladder dysfunction in a rat model of bladder outlet obstruction International braz j urol 2022-12-01 [PMID: 36173409] (Western Blot, Block/Neutralize)

Huang S, Chen X, Pan J et al. Hydrogen sulfide alleviates heart failure with preserved ejection fraction in mice by targeting mitochondrial abnormalities via PGC-1 β Nitric oxide : biology and chemistry 2023-05-12 [PMID: 37182786]

Wells G, Glasgow JN, Nargan K et al. Mu CT Analysis of the Human Tuberculous Lung Reveals Remarkable Heterogeneity in 3D Granuloma Morphology American journal of respiratory and critical care medicine 2021-05-20 [PMID: 34015247]

Qinyu-Zeng , Shuhua-He , Fengzhi-Chen et al. Administration of H₂S improves erectile dysfunction by inhibiting phenotypic modulation of corpus cavernosum smooth muscle in bilateral cavernous nerve injury rats Nitric Oxide 2020-11-24 [PMID: 33246103] (WB, Rat)

Mellis A, Misko A, Arjune S et al. The role of glutamate oxaloacetate transaminases in sulfite biosynthesis and H₂S metabolism Redox Biology 2020-01-01 [PMID: 33271457] (WB, Human)

Mitidieri E, Vanacore D, Turnaturi C et al. Uterine Dysfunction in Diabetic Mice: The Role of Hydrogen Sulfide Antioxidants (Basel, Switzerland) 2020-09-26 [PMID: 32993056] (WB, Mouse)

Wells G, Glasgow J, Nargan K et al. 3D microarchitecture of the human tuberculous granuloma bioRxiv 2020-06-15 (IF/IHC, Human)

Jin Z, Zhang Q, Wondimu E et al. H₂S stimulated bioenergetics in chicken erythrocytes and the underlying mechanism Am. J. Physiol. Regul. Integr. Comp. Physiol. 2020-05-20 [PMID: 32432916]

Zhong L, Ding W, Zeng Q et Al. Sodium Tanshinone IIA Sulfonate Attenuates Erectile Dysfunction in Rats with Hyperlipidemia Oxid Med Cell Longev 2020-03-04 [PMID: 32215177] (WB, Rat)

Yetik-Anacak G, Dikmen A, Coletta C et al. Hydrogen sulfide compensates nitric oxide deficiency in murine corpus cavernosum. Pharmacol. Res. 2016-08-10 [PMID: 27521839] (WB, Mouse)

More publications at <http://www.novusbio.com/NBP1-82617>





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Products Related to NBP1-82617

NBP1-82617PEP	MPST 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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