Product Datasheet

MPST Antibody
NBP1-82617

Unit Size: 0.1 ml

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

Publications: 3

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### 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 4°C short term. Aliquot and store at -20°C 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

**Reactivity Notes**  
Reactivity reported in scientific literature (PMID: 23215842). Mouse reactivity reported in scientific literature (PMID: 27521839). Rat (82%).

**Specificity/Sensitivity**  
Specificity of human, mouse MPST antibody verified on a Protein Array containing target protein plus 383 other non-specific proteins.

**Immunogen**  
This antibody was developed against Recombinant Protein corresponding to amino acids: AVSLLDGGLRHWLQNLPLSSGKSQPAPAEFRAQLDPFIKTYEDIKENLESRR FQVVDSRATGRFRGTEPEPDRGIEPGHIPGTVNIPFTDFLSQEGLEKSPREEIRHL FQEKKVDLKPLVATCGSGVTACHVALGAYLCGKPD

### Product Application Details

**Applications**  
Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin

**Recommended Dilutions**  
Western Blot 0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/Immunofluorescence 1 - 4 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500

**Application Notes**  
For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.
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] - Analysis in human duodenum and lymph node tissues. Corresponding MPST RNA-seq data are presented for the same tissues.
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


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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