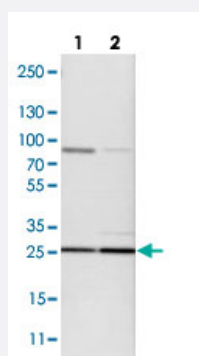


MPST polyclonal antibody

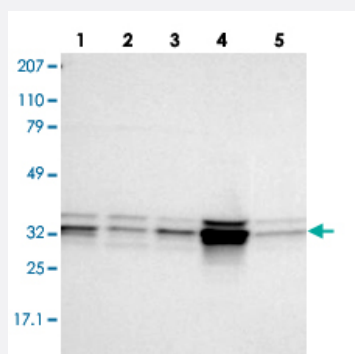
Catalog # PAB28403 Size 100 uL

Applications



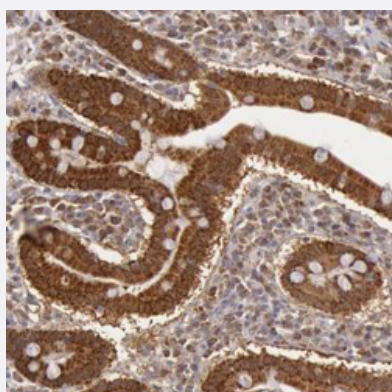
Western Blot (Cell lysate)

Western blot analysis of lane 1: NIH-3T3 cell lysate and lane 2: NBT-II cell lysate using MPST polyclonal antibody (Cat # PAB28403).



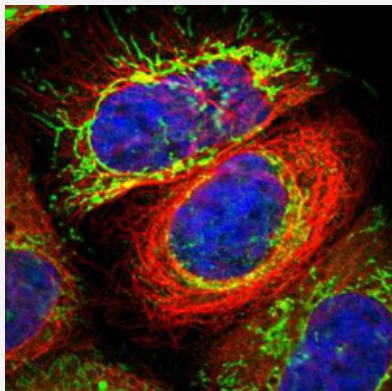
Western Blot

Western blot analysis of lane 1: RT-4, lane 2: EFO-21, lane 3: A-431, lane 4: Liver and lane 5: Tonsil using MPST polyclonal antibody (Cat # PAB28403).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human duodenum with MPST polyclonal antibody (Cat # PAB28403) shows strong cytoplasmic positivity in glandular cells.



Immunofluorescence

Immunofluorescence of A-431 cell line with MPST polyclonal antibody (Cat # PAB28403) shows positivity in mitochondria. Fixation/Permeabilization: PFA/Triton X-100

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant MPST.
Immunogen	Recombinant protein corresponding to human MPST.
Sequence	AVSLLDGGLRHWRQLPLSSGKSQPAPAEFRAQLDPAFIKTYEDIKENLESRRFQVVDSRATGR FRGTEPEPRDGIPEGHIPGTVNIPFTDFLSQEGLEKSPEEIRHLFQEKKVDLSKPLVATCGSGVTA CHVALGAYLCGKPD
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:100-1:250) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Immunofluorescence (1-4 ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4 °C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of lane 1: NIH-3T3 cell lysate and lane 2: NBT-II cell lysate using MPST polyclonal antibody (Cat # PAB28403).

- Western Blot

Western blot analysis of lane 1: RT-4, lane 2: EFO-21, lane 3: A-431, lane 4: Liver and lane 5: Tonsil using MPST polyclonal antibody (Cat # PAB28403).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human duodenum with MPST polyclonal antibody (Cat # PAB28403) shows strong cytoplasmic positivity in glandular cells.

- Immunofluorescence

Immunofluorescence of A-431 cell line with MPST polyclonal antibody (Cat # PAB28403) shows positivity in mitochondria. Fixation/Permeabilization: PFA/Triton X-100

Gene Info — MPST

Entrez GeneID [4357](#)

Protein Accession# [P25325](#)

Gene Name MPST

Gene Alias MGC24539, MST, TST2

Gene Description mercaptopyruvate sulfurtransferase

Omim ID [602496](#)

Gene Ontology [Hyperlink](#)

Gene Summary This protein encoded by this gene catalyzes the transfer of a sulfur ion from 3-mercaptopyruvate to cyanide or other thiol compounds. It may be involved in cysteine degradation and cyanide detoxification. There is confusion in literature between this protein (mercaptopyruvate sulfurtransferase, MPST), which appears to be cytoplasmic, and thiosulfate sulfurtransferase (rhodanese, TST, GeneID:7263), which is a mitochondrial protein. Deficiency in MPST activity has been implicated in a rare inheritable disorder known as mercaptolactate-cysteine disulfiduria (MCDU). Alternatively spliced transcript variants encoding same or different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations 3-mercaptopyruvate sulfurtransferase|OTTHUMP00000028670|human liver rhodanese

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)