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SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10)

Mouse Monoclonal Antibody
Catalog # ALS16807

Specification

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Product Information

Application	**IHC, WB**
Primary Accession	P01009
Other Accession	5265
Reactivity	**Human, Monkey, Dog**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**46737**

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Additional Information

Gene ID 5265

Other Names
SERPINA1, A1A, A1AT, AAT, Alpha 1 Antitrypsin, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, Alpha-1-antitrypsin, Alpha1AT, PRO2275, Alpha-1-antitrypsin null, PI1, Serpin A1

Target/Specificity
Human SERPINA1 / Alpha 1 Antitrypsin

Reconstitution & Storage
PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions
SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) is for research use only and not for use in diagnostic or therapeutic procedures.

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Protein Information

Name SERPINA1 (HGNC:8941)

Synonyms AAT, PI

Function
Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.

Cellular Location
Secreted. Endoplasmic reticulum. Note=The S and Z allele are not secreted effectively and

accumulate intracellularly in the endoplasmic reticulum

Tissue Location
Ubiquitous. Expressed in leukocytes and plasma.

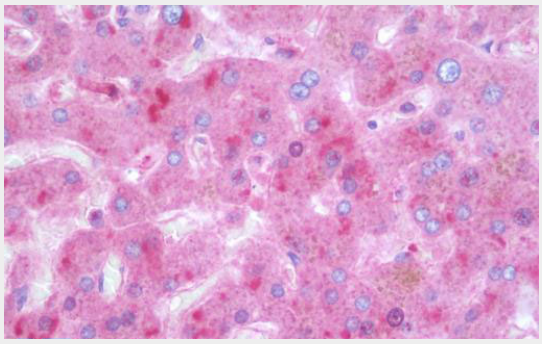
Volume
50 µl

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Protocols

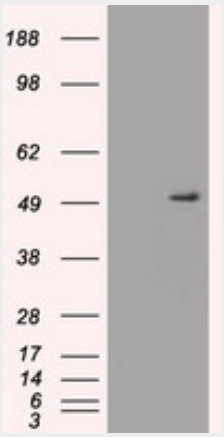
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Images

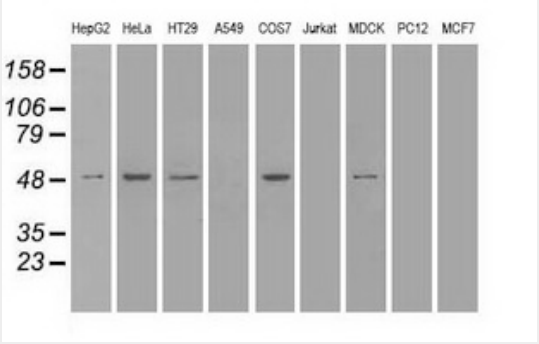


Anti-SERPINA1 / Alpha 1 Antitrypsin antibody IHC staining of human liver.

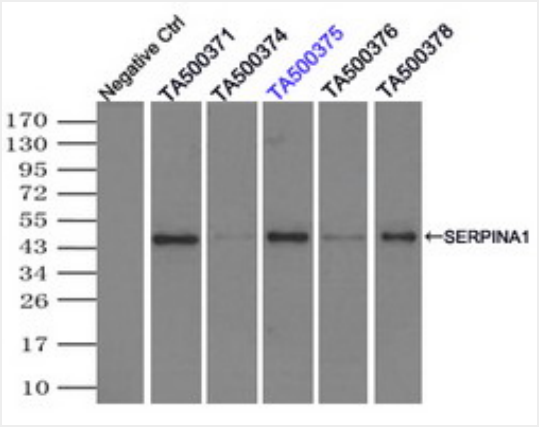


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SERPINA1...

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Western blot of extracts (35 ug) from 9 different cell lines by using anti-SERPINA1 monoclonal...



Immunoprecipitation(IP) of SERPINA1 by using monoclonal anti-SERPINA1 antibodies (Negative...

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - Background

Inhibitor of serine proteases. Its primary target is elastase, but it also has a moderate affinity for plasmin and thrombin. Irreversibly inhibits trypsin, chymotrypsin and plasminogen activator. The aberrant form inhibits insulin-induced NO synthesis in platelets, decreases coagulation time and has proteolytic activity against insulin and plasmin.

SERPINA1 / Alpha 1 Antitrypsin Antibody (clone 15H10) - References

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Rosenberg S.,et al.Nature 312:77-80(1984).
Ciliberto G.,et al.Cell 41:531-540(1985).
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