

## Alpha-1-Antitrypsin (SERPINA1) (Hepatocellular & Histiocytic Marker) Antibody

Mouse Monoclonal Antibody [Clone AAT/4487]

Catalog No	Format	Size
5265-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5265-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5265-MSM17-P1ABX	Purified Ab without BSA and Azide at 1.0mg/ml	100 ug

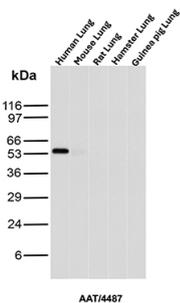
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

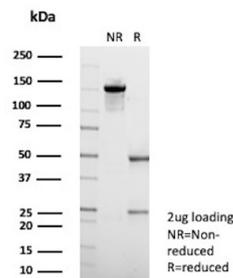
<b>Clone</b>	AAT/4487
<b>Immunogen</b>	Recombinant fragment (around aa200-400) of human SERPINA1 protein (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Cellular Localization</b>	Cytoplasm
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human tonsil, lung, hepatocellular carcinoma or histiocytoma.

\*Optimal dilution for a specific application should be determined.

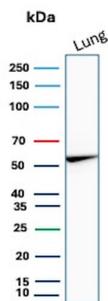
### Product Images for Alpha-1-Antitrypsin (SERPINA1) (Hepatocellular & Histiocytic Marker) Antibody



Western blot analysis of Human Lung, Mouse Lung, Rat Lung, Hamster Lung and Guinea pig Lung tissue lysates using SERPINA1 Mouse Monoclonal Antibody (AAT/4487).



SDS-PAGE Analysis of Purified Alpha-1-antitrypsin | Short peptide from AAT Mouse Monoclonal Antibody (AAT/4487). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of human lung tissue lysate using SERPINA1 Mouse Monoclonal Antibody (AAT/4487).

### Specificity & Comments

It recognizes a protein of 54kDa, which is identified antitrypsin (AAT). The immunohistochemical staining of AAT is useful in identification of benign and malignant hepatic tumors and yolk sac carcinomas. Positive staining for AAT is also used in detection of benign and malignant lesions of histiocytic nature. This antibody is may also useful tool in the screening of patients with cryptogenic cirrhosis or other forms of liver disease with fibrosis of uncertain origin.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Dendritic Cell Marker, Immunology, Stem Cell Differentiation

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.