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

Rabbit Monoclonal Antibody [Clone AAT/3167R]

Catalog No	Format	Size
5265-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5265-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5265-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

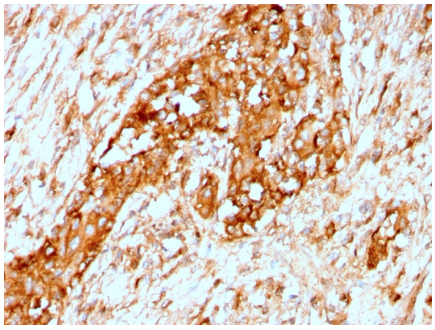
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

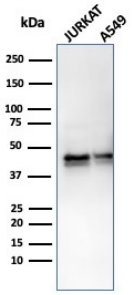
Clone	AAT/3167R
Gene Name	SERPINA1
Immunogen	Recombinant human Alpha-1-Antitrypsin (AAT) protein fragment
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	46kDa
Cellular Localization	Endoplasmic reticulum, Extracellular matrix, Extracellular space, Secreted
Species Reactivity	Human
Positive Control	A549 or HepG2 cells. Tonsil, hepatocellular carcinoma or histiocytoma (IHC)., Jurkat, Lung

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

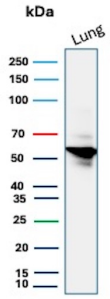
Product Images for Recombinant Alpha-1-Antitrypsin (SERPINA1) (Hepatocellular & Histiocytic Marker) Antibody



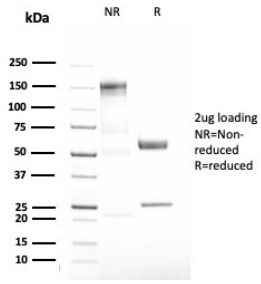
Formalin-fixed, paraffin-embedded human Breast stained with Alpha-1-Antitrypsin Recombinant Rabbit Monoclonal Antibody (AAT/3167R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western Blot Analysis of Jurkat and A549 cell lysates using Alpha-1-Antitrypsin Recombinant Rabbit Monoclonal (AAT/3167R).



Western blot analysis of human Lung tissue lysate using SERPINA1 Recombinant Rabbit Monoclonal Antibody (AAT/3167R).



SDS-PAGE Analysis of Purified Alpha-1-Antitrypsin Recombinant Rabbit Monoclonal (AAT/3167R). Confirmation of Purity and Integrity of Antibody.

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.