

### 36-2940: Anti-Alpha-1-Antitrypsin (SERPINA1) (Hepatocellular & Histiocytic Marker) Monoclonal Antibody(Clone: AAT/1378)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AAT/1378
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	SERPINA1
<b>Gene ID :</b>	5265
<b>Uniprot ID :</b>	P01009
<b>Alternative Name :</b>	A1AT; AAT; Alpha 1-antitrypsin; Alpha-1 protease inhibitor; Alpha-1-antiproteinase; alpha1 proteinase inhibitor; Alpha1AT; Dom1; Serine (or cysteine) proteinase inhibitor clade A member 1; Serine protease inhibitor 1-1; Serine protease inhibitor A1a; Serpin A1a; Serpin peptidase inhibitor clade A member 1; Serpina1; Short peptide from AAT; SPAAT; Spi1-1
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant human Alpha-1-Antitrypsin (AAT) protein fragment

#### Description

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.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/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.
<b>Storage condition :</b>	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.

#### Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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);

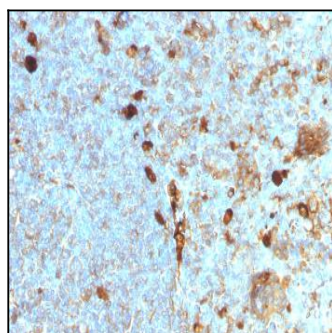


Fig. 1: Formalin-fixed, paraffin-embedded human Tonsil stained with Alpha-1-Antitrypsin Mouse Monoclonal Antibody (AAT/1378).

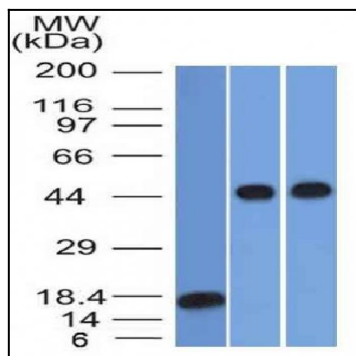


Fig. 2: Western Blot Analysis of 1) recombinant Alpha-1-Antitrypsin 2) Jurkat & 3) A549 cell lysate using Alpha-1-Antitrypsin Mouse Monoclonal Antibody (AAT/1378).

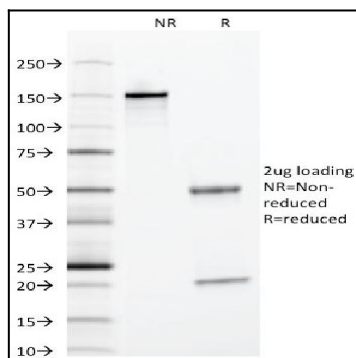


Fig. 3: SDS-PAGE Analysis Purified Alpha-1-Antitrypsin Mouse Monoclonal Antibody (AAT/1378). Confirmation of Integrity and Purity of Antibody