

**AM06341SU-N****Monoclonal Antibody to Alpha-1-antitrypsin - Ascites**

<b>Alternate names:</b>	AAT, Alpha-1 protease inhibitor, Alpha-1-antiproteinase, SERPINA1
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	AAT, also known as SERPINA1; serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1. It is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Severe Serpin A1 deficiency leads to several clinical complications such as pulmonary emphysema, juvenile hepatitis, cirrhosis and hepatocellular carcinoma.
<b>Uniprot ID:</b>	<a href="#">P01009</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GenID:</b>	<a href="#">5265</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	2B12
<b>Immunogen:</b>	Purified recombinant fragment of human AAT expressed in E. Coli.
<b>Format:</b>	<b>State:</b> Ascitic fluid containing 0.03% Sodium Azide.
<b>Applications:</b>	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	47 kDa
<b>Specificity:</b>	Recognizes AAT, also known as SERPINA1
<b>Species Reactivity:</b>	<b>Tested:</b> Human, Mouse.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. J Proteome Res. 2005 Nov-Dec;4(6):2070-80. 2. Neuro Endocrinol Lett. 2008 Aug;29(4):482-4.

## Pictures:

Western blot analysis using AAT antibody Cat.-No AM06341SU-N against human plasma (Lane 1) and NIH/3T3 cell lysate (Lane 2).

