Product datasheet Anti-Alpha 1 Antitrypsin/SERPINA1 Antibody (Clone#AOEF-19) Catalog Number: BM4931



BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information		
Product Name	Anti-Alpha 1 Antitrypsin/SERPINA1 Antibody (Clone#AOEF-19)	
Gene Name	SERPINA1	
Source	Rabbit	
Clonality	Monoclonal	
lsotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, IP	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human SERPINA1	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	53 kDa	
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): Immunocytochemistry/Immunofluorescence (ICC/I ImmunoPrecipitation (IP):	1:500-2000 1:50-200 IF):1:50-200 1:30

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

SERPINA1 is also known as PI, A1A or AAT. The protein encoded by this gene is secreted and is a serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this gene.

Selected Validation Data

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Western blot analysis of anti-SERPINA1 antibody (BM4931). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human HepG2 whole cell lysates,

Lane 2: human Caco-2 whole cell lysates,

Lane 3: human U2OS whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-SERPINA1 antigen affinity purified monoclonal antibody (BM4931) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for SERPINA1 at approximately 47 kDa. The expected band size for SERPINA1 is at 47 kDa.