

Alpha 1 antichymotrypsin Monoclonal antibody

Catalog Number: 66078-1-Ig

3 Publications

Basic Information

Catalog Number: 66078-1-Ig	GenBank Accession Number: BC010530	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 12	CloneNo.: 3F2F10
Source: Mouse	UNIPROT ID: P01011	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500 IF-P 1:50-1:500
Isotype: IgG2b	Full Name: serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	
Immunogen Catalog Number: AG2830	Calculated MW: 448 aa, 48 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: WB, IHC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : human plasma, human colon tissue
Species Specificity: human, pig	IHC : human tonsillitis tissue, human liver tissue
Cited Species: human	IF-P : human tonsillitis tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Human SerpinA3, also known as Alpha 1-antichymotrypsin (AACT), is a member of the serine protease inhibitor class, and is a plasma alpha globulin glycoprotein which increases in the blood during the inflammatory process. SerpinA3, is also an inhibitor of neutrophil cathepsin G, mast cell chymases and pancreatic chymotrypsin. SerpinA3 is produced primarily in the liver, and is identified as an acute-phase inflammatory protein. SerpinA3 deficiency has been associated with liver disease. SerpinA3 has also been implicated in the pathology of a number of devastating human diseases including chronic obstructive pulmonary disease (COPD), Parkinson's disease (PD), Alzheimer's disease (AD), Stroke, Cystic Fibrosis, Cerebral Haemorrhage and Multiple System Atrophy.

Notable Publications

Author	Pubmed ID	Journal	Application
Yanxia Jin	26908325	Br J Cancer	
Yingzi Zhang	33569740	Breast Cancer	WB,IHC
Masaki Ueno	37631275	Pharmaceutics	IHC

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

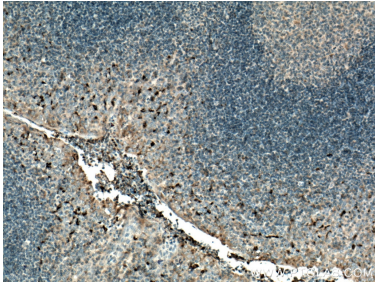
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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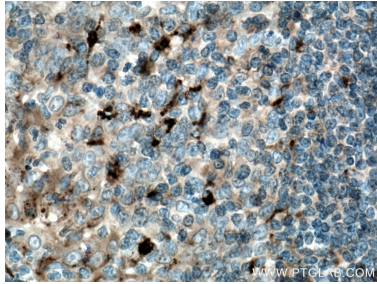
Selected Validation Data



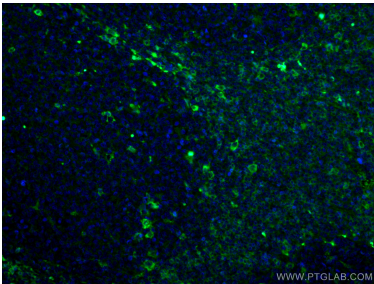
human plasma were subjected to SDS PAGE followed by western blot with 66078-1-Ig (Alpha Antichymotrypsin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66078-1-Ig (alpha 1 Antichymotrypsin antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66078-1-Ig (alpha 1 Antichymotrypsin antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66078-1-Ig (alpha 1 Antichymotrypsin antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).