

À des fins de recherche uniquement

# Anticorps Monoclonal anti-Alpha Antichymotrypsin



Numéro de catalogue: 66078-1-Ig **3 Publications**

## Informations de base

Numéro de catalogue: 66078-1-Ig	Numéro d'acquisition GenBank: BC010530	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1800 µg/ml by Nanodrop and 767 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 12	CloneNo.: 3F2F10
Hôte: Mouse	Nom complet: serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	Dilutions recommandées: WB 1:2000-1:20000 IHC 1:50-1:500 IF 1:50-1:500
Isotype: IgG2b	MW calculé 448 aa, 48 kDa	
Immunogen Catalog Number: AG2830	MW observés: 60 kDa	

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
IHC, WB

Spécificité de l'espèce:  
Humain, porc

Espèces citées:  
Humain

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : tissu plasmatique humain, tissu de côlon humain

IHC : tissu d'amygdalite humaine, tissu hépatique humaine

IF : tissu d'amygdalite humaine,

## Informations générales

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.

## Publications notables

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

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

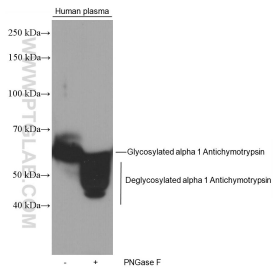
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

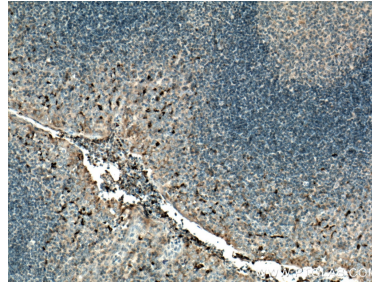
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

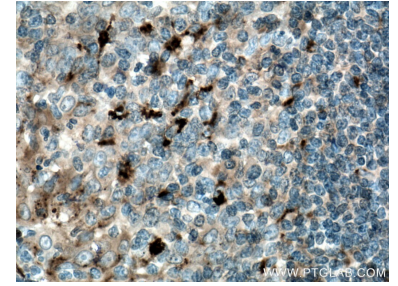
## Données de validation sélectionnées



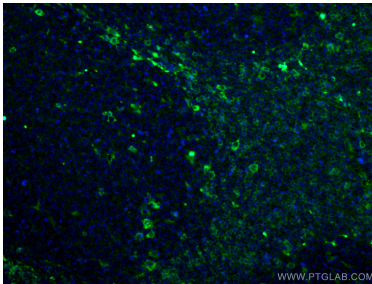
Untreated and PNGase F-treated lysates of human plasma were subjected to SDS PAGE followed by western blot with 66078-1-Ig (alpha 1 Antichymotrypsin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. Loading amount 0.7  $\mu$ L crude plasma was lysed for each lane. PNGase F was obtained from Atagenix (cat.NO. ata808).



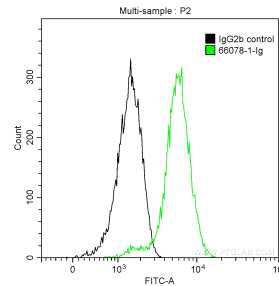
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66078-1-Ig (alpha 1 Antichymotrypsin antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2  $\mu$ g Anti-Human Alpha Antichymotrypsin (66078-1-Ig, Clone:3F2F10) and CoraLite<sup>®</sup>488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2  $\mu$ g Control Antibody. Cells were fixed with 90% MeOH.