

## alpha 1 Antichymotrypsin / AACT Polyclonal Antibody

Catalog number: 12192-1-AP

Size: 70 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

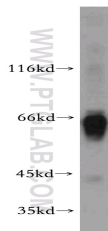
SERPINA3; A1

Antichymotrypsin, AACT, ACT,

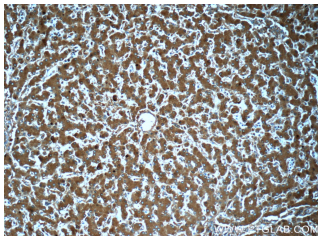
Alpha 1 antichymotrypsin,

GIG24, GIG25, Serpin A3,

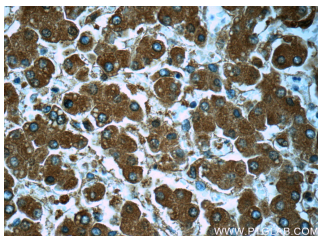
SERPINA3



human blood tissue were subjected to SDS PAGE followed by western blot with 12192-1-AP(SERPINA3,AACT antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human liver tissue slide using 12192-1-AP( SERPINA3,AACT Antibody) at dilution of 1:50



Immunohistochemistry of paraffin-embedded human liver tissue slide using 12192-1-AP( SERPINA3,AACT Antibody) at dilution of 1:50

### Background

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.

### Applications

Tested applications:	ELISA, IHC, WB
Species specificity:	Human; other species not tested.
Calculated alpha 1 Antichymotrypsin / AACT MW:	448aa,48 kDa
Observed alpha 1 Antichymotrypsin / AACT MW:	44-70 kDa
Positive WB detected in	Human blood tissue, COLO 320 cells, human colon tissue
Positive IHC detected in	Human liver tissue, human spleen tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag2830
GenBank accession number:	BC010530
Gene ID (NCBI):	12
Full name:	Serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.