

Rabbit anti-Human Alpha-1-Antichymotrypsin Polyclonal Antibody | anti-SERPINA3 antibody

Alpha-1-Antichymotrypsin Rabbit anti-Human Polyclonal (aa254-303) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA162544	Rabbit	Human	Western Blot, Immunohistochemistry, Immunohistochemistry

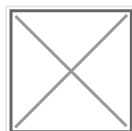
PRODUCT SYNONYMS

Alpha-1-Antichymotrypsin; Polyclonal Antibody; Alpha-1-Antichymotrypsin Rabbit anti-Human Polyclonal (aa254-303) Antibody; PathPlus Alpha-1-Antichymotrypsin Antibody (aa254-303); SERPINA3; Alpha-1-antichymotrypsin; AACT; GIG25; Growth-inhibiting protein 25; GIG24; Serpin A3; Growth-inhibiting protein 24; a-1-ACT; anti-SERPINA3 antibody

PRODUCT SPECIFICATIONS

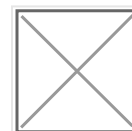
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human SERPINA3 isoform 1
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.09% sodium azide, 2% sucrose
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-SERPINA3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human Alpha-1-Antichymotrypsin
Immunogen	Synthetic peptide located between aa254-303 of human SERPINA3 (P01011, NP_001076). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Mouse, Rat, Hamster (100%); Galago, Marmoset (84%).
Conjugation	Unconjugated
Epitope	aa254-303
Preparation and Storage	Short term: Store at 2-8 degree C. Long term: Aliquot and store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Alpha-1-Antichymotrypsin Antibody-Anti-SERPINA3 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml. This image was taken for the unconjugated form of this product. Other forms have not been tested.



WB (Western Blot)

Alpha-1-Antichymotrypsin Antibody-721_B cell lysate. Antibody concentration: 1.0 ug/ml. Gel concentration: 12%. This image was taken for the unconjugated form of this product. Other forms have not been tested.

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA3 antibody	Alpha-1-Antichymotrypsin antibody is an unconjugated rabbit polyclonal antibody to Alpha-1-Antichymotrypsin (aa254-303) from human. It is reactive with human, mouse, rat and other species. Validated for IHC and WB. Cited in 1 publication. SERPINA3 (Alpha-1-Antichymotrypsin) is an alpha globulin glycoprotein produced in the liver that functions as a plasma serine protease inhibitor. It functions in tissue repair and helps reduce damage resulting from inflammatory proteolysis. It is also involved in regulating proliferation and chromatin condensation. Mutations in SERPINA3 are associated with Alzheimer's disease, Parkinson's disease and chronic obstructive pulmonary disease. Deficiency is correlated with liver disease, while upregulation of SERPINA3 potentially plays a role in the progression of prion diseases. Upregulated SERPINA3 is also associated with invasive properties and progression in glioblastoma. SERPINA3 is an inflammatory marker, and in immunohistochemistry of normal tissue it is positive in the cytoplasm and in extracellular deposits in histiocytes and reticulum cells. In cancer, it is positive in glioblastoma, acinar cell carcinomas of the pancreas, salivary gland and breast, and hepatoid adenocarcinomas of the stomach.
References	Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID: 26553804; Scientific Reports. 2017. 7 (15637), DOI: 10.1038/s41598-017-15778-8; Gastroenterology 2013;144:818, PMID: 23295442; Australian & New Zealand Journal of Psychiatry. 2014. Vol. 48(8): 722 -734, DOI: 10.1177/0004867414531078; Oncol Lett. 2018 Jan; 15(1): 285 -291, PMID: 29399139

NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2
NCBI GenBank Nucleotide #	NM_001085
UniProt Accession #	P01011 ; Q13703 ; Q2TU87 ; Q2TU88 ; Q59GP9 ; Q6LBY8 ; Q6LDT7 ; Q6NSC9 ; Q8N177 ; Q96DW8 ; Q9UC47 ; B3KVVQ7
Molecular Weight	64,000
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25
NCBI Protein Information	alpha-1-antichymotrypsin; serpin A3; growth-inhibiting protein 24; growth-inhibiting protein 25; cell growth-inhibiting gene 24/25 protein; serine (or cysteine) proteinase inhibitor, clade A, member 3
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; ACT
UniProt Entry Name	AACT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/alpha-1-antichymotrypsin-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/162544>