

Mouse anti-Human Alpha-1-Antichymotrypsin (SERPINA3) Monoclonal Antibody | anti-SERPINA3 antibody

Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62933	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

Alpha-1-Antichymotrypsin (SERPINA3); Monoclonal Antibody; Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker); SERPINA3; AACT; ACT; Alpha-1-antichymotrypsin; Antichymotrypsin; Cell growth-inhibiting gene 24/25 protein; GIG24; GIG25; Growth inhibiting protein 24; Growth inhibiting protein 25; Serine (or cysteine) proteinase inhibitor clade A member 3; Serine proteinase inhibitor clade A member 3; Serpin A3; Serpin peptidase inhibitor clade A (alpha 1 antiproteinase antitrypsin) member 3; anti-SERPINA3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 / Kappa
Clone Number	AACT/1452
Specificity	It recognizes a protein of 65-76kDa, which is identified antichymotrypsin (AACT). AACT is a plasma protease inhibitor synthesized in the liver as a single glycopeptide chain. In human, the normal serum level of AACT is about one-tenth that of their concentrations in plasma increase in response to trauma, surgery and infection. Elevated levels of AACT are widely, but not universally, reported in the cerebrospinal fluid and plasma of AD patients. Prostate-specific antigen (PSA) and its SDS-stable complex with AACT are in widespread use as markers for the test of prostate cancer. AACT deficiency may also be a possible cause of chronic liver disease. AACT antibody reacts with histiocytes and histiocytic neoplasms. It is widely used to identify histiocytes and tumors derived from them. Acinar tumors of the pancreas and salivary gland may also exhibit AACT positivity.
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-SERPINA3 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human Antichymotrypsin (AACT) protein fragment (around aa 49-187) (exact sequence is proprietary)
Cellular Localization	Secreted
Positive Control	HeLa cells. Tonsil, pancreas or histiocytoma.
Research Areas	Cardiovascular, Immunology
Preparation and Storage	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Non- hazardous. No MSDS required.

IMAGES



Application Data

Formalin-fixed, paraffin-embedded human Pancreas stained with Alpha-1- Antichymotrypsin
Mouse Monoclonal Antibody (AACT/1452)



SDS-PAGE

SDS-PAGE Analysis of Purified Alpha-1-Antichymotrypsin Monoclonal Antibody (AACT/1452).
Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Miyake, H., et al. 2001. Value of prostate specific antigen alpha1-antichymotrypsin complex for the detection of prostate cancer in patients with a PSA level of 4.1-10.0 ng/mL: comparison with PSA-related parameters. Int. J. Urol. 8: 589-593.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50659080
NCBI GeneID	12
NCBI Accession #	NP_001076.2
NCBI GenBank Nucleotide #	NM_001085.4
UniProt Accession #	P01011; Q13703; Q2TU87; Q2TU88; Q59GP9; Q6LBY8; Q6LDT7; Q6NSC9; Q8N177; Q96DW8; Q9UC47; B3KVQ7
Molecular Weight	Mol. Weight of Antigen: 65-76kDa
NCBI Official Full Name	alpha-1-antichymotrypsin
NCBI Official Synonym Full Names	serpin family A member 3
NCBI Official Symbol	SERPINA3
NCBI Official Synonym Symbols	ACT; AACT; GIG24; GIG25
NCBI Protein Information	alpha-1-antichymotrypsin
UniProt Protein Name	Alpha-1-antichymotrypsin
UniProt Gene Name	SERPINA3
UniProt Synonym Gene Names	AACT; ACT

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/monoclonal/alpha-1-antichymotrypsin-serpina3-antibody-clone-aact-1452-immunohistochemistry-elisa/62933>