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

Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Mouse Monoclonal Antibody [Clone SERPINA3/4187]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215565	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

Alpha-1-Antichymotrypsin (SERPINA3); Monoclonal Antibody; Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Mouse Monoclonal Antibody [Clone SERPINA3/4187]; Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker); AACT; ACT; Alpha-1-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; 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	Mouse/IgG2b, kappa
Clone Number	SERPINA3/4187
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.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
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	Cytoplasm
Positive Control	HeLa cells. Human tonsil, pancreas or histiocytoma.
Hu-chromosome Location	14q32.1
Unigene	534293; 710488
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human liver stained with Alpha-1-Antichymotrypsin Mouse Monoclonal Antibody (SERPINA3/4187).

ADDITIONAL INFORMATION

Related Product Information for anti-SERPINA3 antibody	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 alpha 1-antitrypsin (AAT), with which it shares nucleic acid and protein sequence homology. Both are major acute phase reactants; 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 identification 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112874
NCBI GeneID	12
UniProt Accession #	P01011; Q13703; Q2TU87; Q2TU88; Q59GP9; Q6LBY8; Q6LDT7; Q6NSC9; Q8N177; Q96DW8; Q9UC47; B3KVQ7
Molecular Weight	423
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/monoclonal/alpha-1-antichymotrypsin-serpina3-antibody-clone-serpina3-4187-immunohistochemistry-elisa/215565