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Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody
Mouse Monoclonal Antibody
Catalog # AH13139

Specification

Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Product Information

Application	**WB, IHC-P, IF, FC**
Primary Accession	P01011
Other Accession	534293, 710488
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG1 + IgG1**
Calculated MW	**47651**

Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Additional Information

Gene ID 12

Other Names
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

Application Note
WB~~1:1000<br \>IHC-P~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

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.

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Protein Information

Name SERPINA3

Synonyms AACT

Function
Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2.

Cellular Location
Secreted.

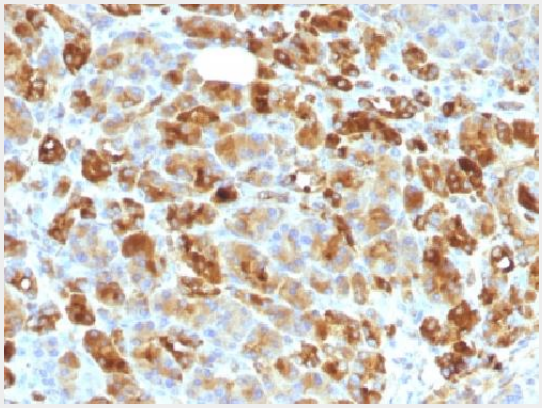
Tissue Location
Plasma. Synthesized in the liver. Like the related alpha-1-antitrypsin, its concentration increases in the acute phase of inflammation or infection. Found in the amyloid plaques from the hippocampus of Alzheimer disease brains.

Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Images



Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Antibody - Background

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 α 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 diagnosis of prostate cancer. AACT deficiency may also be a possible cause of chronic liver disease.

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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.