Product datasheet

Anti-Alpha Antichymotrypsin/SERPINA3 Antibody (Clone#ADED-19)

Catalog Number: *BM5412*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-Alpha Antichymotrypsin/SERPINA3 Antibody (Clone#ADED-19)
Gene Name	SERPINA3
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human alpha 1 Antichymotrypsin 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.
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	50-60 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:30

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Alpha 1-antichymotrypsin, also called serpin peptidase inhibitor, clade A(alpha-1 antiproteinase, antitrypsin), member 3 or GIG24 is an alpha globulin glycoprotein that is a member of the serpin superfamily. In humans, it is encoded by the SERPINA3 gene. This gene is mapped to 14q32.13. The protein encoded by this gene is a plasma protease inhibitor and member of the serine protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified in patients with Parkinson disease and chronic obstructive pulmonary disease.

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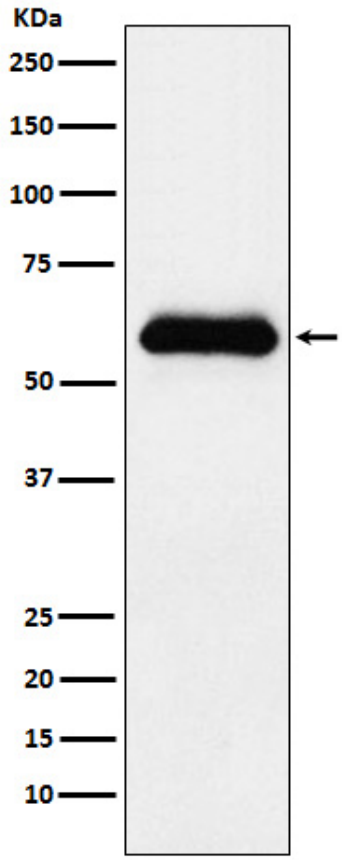
Reference

Anti-Alpha Antichymotrypsin/SERPINA3 Antibody (Clone#ADED-19)被引用在1文献中。

Selected Validation Data



Western blot analysis of alpha 1 Antichymotrypsin expression in human plasma lysate.