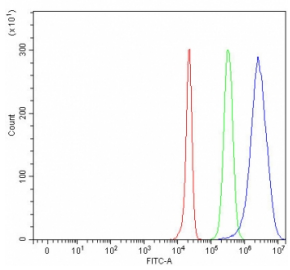
Alpha-1-Antichymotrypsin Antibody / AACT / SERPINA3 (RQ7626)

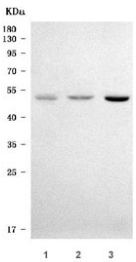
Catalog No.	Formulation	Size
RQ7626	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P01011
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Alpha-1-Antichymotrypsin antibody is available for research use only.



Alpha-1-Antichymotrypsin Antibody FACS. Flow cytometry testing of human HepG2 cells with Alpha-1-Antichymotrypsin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Alpha-1-Antichymotrypsin antibody.



Alpha-1-Antichymotrypsin Antibody Human Sample WB. Western blot testing of human 1) HepG2, 2) HCCT and 3) HUH-7 cell lysate with Alpha-1-Antichymotrypsin antibody. Expected molecular weight: 47-65 kDa, depending on level of glycosylation.

Description

SERPINA3, also referred to as AACT, is a protease inhibitor that plays a protective role in limiting inflammation-induced tissue damage. 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.

This SERPINA3 antibody is part of a broader set of Alpha-1-antichymotrypsin antibody reagents; for a validation-focused AACT antibody reference including liver expression and protein microarray specificity data, see AACT antibody clone SERPINA3/4184.

Application Notes

Optimal dilution of the Alpha-1-Antichymotrypsin antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids H24-A423) was used as the immunogen for the Alpha-1-Antichymotrypsin antibody.

Storage

After reconstitution, the Alpha-1-Antichymotrypsin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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