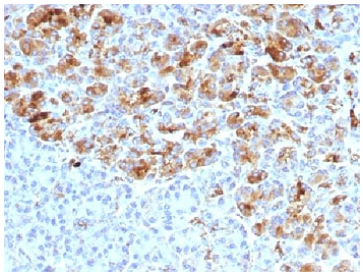
Alpha-1-Antichymotrypsin Antibody / AACT / SERPINA3 [clone AACT/1452] (V3228)

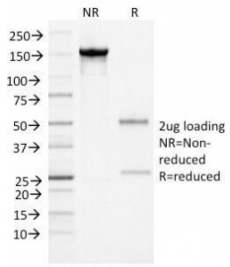
Catalog No.	Formulation	Size
V3228-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3228-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3228SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	AACT/1452
Purity	Protein G affinity
UniProt	P01011
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This Alpha-1-Antichymotrypsin antibody is available for research use only.



Alpha-1-Antichymotrypsin Antibody Pancreas Tissue Immunohistochemistry. IHC testing of FFPE human pancreas with Alpha-1-Antichymotrypsin antibody (clone AACT/1452). Required HIER: steam sections in pH6, 10mM citrate buffer for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free Alpha-1-Antichymotrypsin Antibody (clone AACT/1452). Confirmation of Integrity and Purity of the Antibody.

Description

Alpha-1-antichymotrypsin (AACT), encoded by the SERPINA3 gene, is a circulating inhibitor of chymotrypsin-like proteases involved in host defense. Alpha 1-Antichymotrypsin, also called AACT, inhibits the activity of certain proteases, such as cathepsin G that is found in neutrophils, and chymases found in mast cells, by cleaving them into a different shape or conformation. This activity protects some tissues, such as the lower respiratory tract, from damage caused by proteolytic enzymes. This protein is produced in the liver, and is an acute phase protein that is induced during inflammation.

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

The stated application concentrations are suggested starting amounts. Titration of the Alpha-1-Antichymotrypsin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A human partial recombinant protein was used as the immunogen for this Alpha-1-Antichymotrypsin antibody.

Storage

Store the Alpha-1-Antichymotrypsin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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