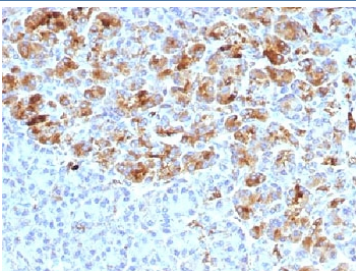


## Alpha-1-Antichymotrypsin Antibody / AACT / SERPINA3 [clone AACT/1452] (V3228)

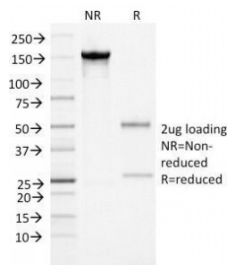
Catalog No.	Formulation	Size
V3228-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3228-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3228SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

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



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, also called AACT and SERPINA3, 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. [Wiki]

## 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 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).