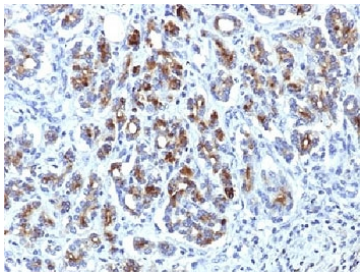
Alpha-1-Antichymotrypsin Antibody (Histiocytoma Marker) [clone AACT/1451] (V3227)

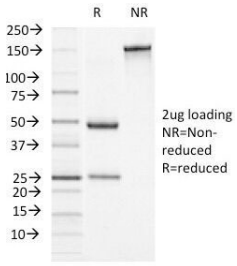
Catalog No.	Formulation	Size
V3227-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3227-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3227SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	AACT/1451
Purity	Protein G affinity
UniProt	P01011
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This Alpha-1-Antichymotrypsin antibody is available for research use only.



IHC testing of FFPE human pancreas with Alpha-1-Antichymotrypsin antibody (clone AACT/1451). 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/1451). Confirmation of Integrity and Purity of the Antibody.

Description

Alpha 1-antichymotrypsin, or 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 alpha 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. 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.

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).