Datasheet for ABIN6939169

anti-SERPINA3 antibody (AA 49-187)

2 Images

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Overview

Quantity:	100 µg
Target:	SERPINA3
Binding Specificity:	AA 49-187
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SERPINA3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human Antichymotrypsin (AACT) protein fragment (around aa 49-187) (exact sequence is proprietary)
Clone:	AACT-1451
Isotype:	IgG1 kappa
Specificity:	It recognizes a protein of 65-76 kDa, which is identified antichymotrypsin (AACT). 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 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

Product Details

	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.
Purification:	Purified by Protein A/G

Target Details

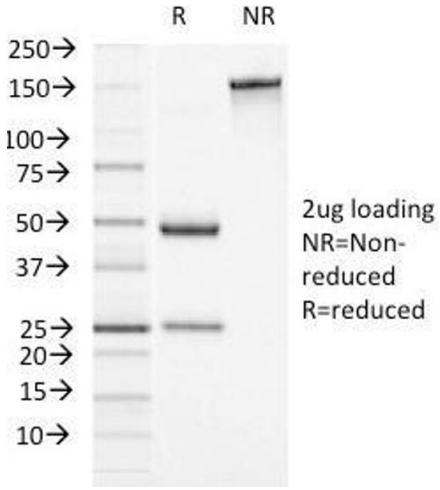
Target:	SERPINA3
Alternative Name:	SERPINA3 (SERPINA3 Products)
Molecular Weight:	65-76kDa
Gene ID:	12
UniProt:	P01011

Application Details

Application Notes:	Positive Control: HeLa cells. Tonsil, Pancreas or Histiocytoma. Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

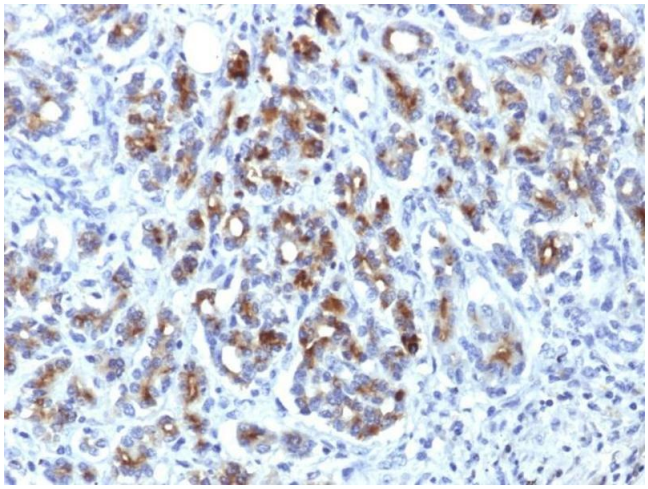
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Alpha-1-Antichymotrypsin Monoclonal Antibody (AACT/1451)Confirmation of Integrity and Purity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Pancreas stained with Alpha-1-Antichymotrypsin Mouse Monoclonal Antibody (AACT/1451)