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36-2091: Anti-Alpha-1-Antichymotrypsin (SERPINA3) (Histiocytoma Marker) Monoclonal Antibody (Clone: AACT/1452)

Clonality :	Monoclonal
Clone Name :	AACT/1452
Application :	IHC
Reactivity :	Human
Gene :	SERPINA3
Gene ID :	12
Uniprot ID :	P01011
Alternative Name :	SERPINA3; AACT; ACT; Alpha-1-antichymotrypsin; Antichymotrypsin; Cell growth-inhibiting gene 24/25 protein; GIG24; GIG25; Growth inhibiting protein 24; Growth inhibiting protein 25; Serine (or cysteine) proteinase inhibitor clade A member 3; Serine proteinase inhibitor clade A member 3; Serpin A3; Serpin peptidase inhibitor clade A (alpha 1 antiproteinase antitrypsin) member 3
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human Antichymotrypsin (AACT) protein fragment (around aa 49-187) (exact sequence is proprietary)

Description

It recognizes a protein of 65-76kDa, 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 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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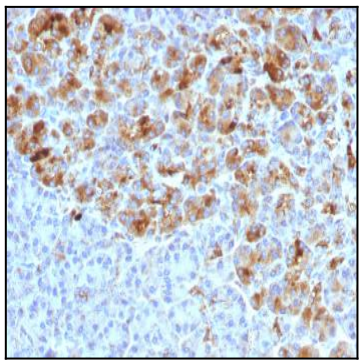


Fig.1: Formalin-fixed, paraffin-embedded human Pancreas stained with Alpha-1-Antichymotrypsin Mouse Monoclonal Antibody (AACT/1452)

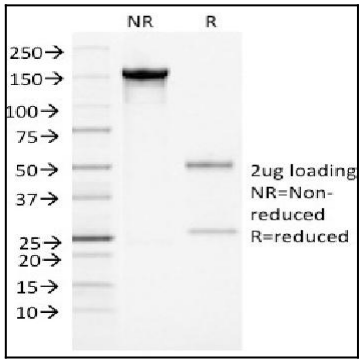


Fig. 2: SDS-PAGE Analysis Purified Alpha-1-Antichymotrypsin Monoclonal Antibody (AACT/1452). Confirmation of Integrity and Purity of Antibody.

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