Recombinant AACT Monoclonal Antibody

catalog number: **AN301913L**

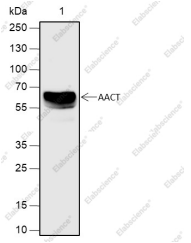
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human AACT fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C321534
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:5000-1:10000
IHC	1:50-1:100

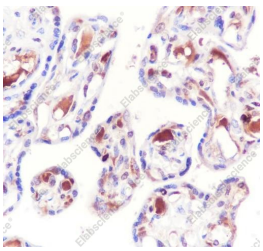
Data



Western Blot with AACT Monoclonal Antibody at dilution of 1:10000. Lane 1: Human plasma

Observed-MW:55-70 kDa

Calculated-MW:48 kDa



Immunohistochemistry of paraffin-embedded Human placenta using AACT Monoclonal Antibody at dilution of 1:100.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Alpha 1-antichymotrypsin (AACT), also known as Human SerpinA3, is a member of the serine protease inhibitor class, and is a plasma alpha globulin glycoprotein which increases in the blood during the inflammatory process. SerpinA 3, is also an inhibitor of neutrophil cathepsin G, mast cell chymases and pancreatic chymotrypsin. SerpinA3 is produced primarily in the liver, and is identified as an acute-phase inflammatory protein. SerpinA3 deficiency has been associated with liver disease. SerpinA3 has also been implicated in the pathology of a number of devastating human diseases including chronic obstructive pulmonary disease (COPD), Parkinson's disease (PD), Alzheimer's disease (AD), Stroke, Cystic Fibrosis, Cerebral Haemorrhage and Multiple System Atrophy.

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