

Anti-Serpin A3 Antibody

Catalog # AP96047

Product Information

Application	WB, IHC, FC
Primary Accession	P01011
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	47651

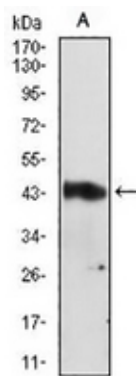
Additional Information

Gene ID	12
Other Names	AACT; Alpha-1-antIC, hymotrypsin; ACT; Cell growth-inhibiting gene 24/25 protein; Serpin A3
Target/Specificity	Recombinant fusion protein of human Serpin A3 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200)
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

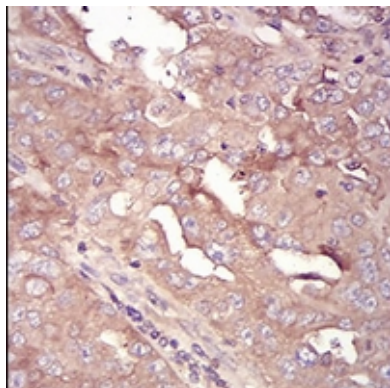
Protein Information

Name	SERPINA3
Synonyms	AACT
Function	Although its physiological function is unclear, it can inhibit neutrophil cathepsin G and mast cell chymase, both of which can convert angiotensin-1 to the active angiotensin-2.
Cellular Location	Secreted.
Tissue Location	Plasma. Synthesized in the liver. Like the related alpha-1-antitrypsin, its concentration increases in the acute phase of inflammation or infection. Found in the amyloid plaques from the hippocampus of Alzheimer disease brains.

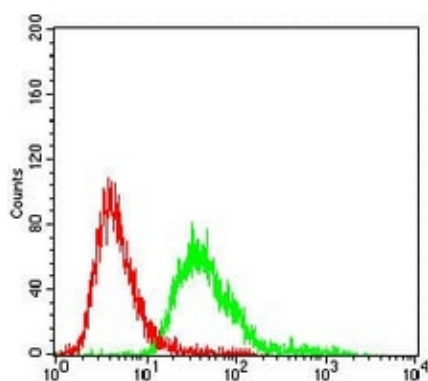
Images



Western blot analysis of Serpin A3 expression in A549 (A) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 44 kD)



Immunohistochemical analysis of Serpin A3 staining in human endometrial cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of A549 cells using Anti-Serpin A3 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.