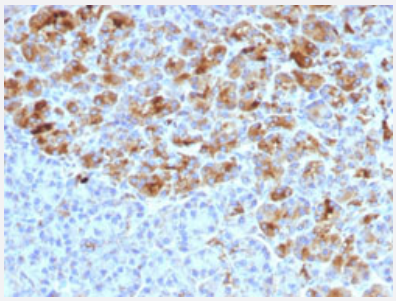
# SERPINA3 monoclonal antibody, clone AACT/1452

Catalog # MAB14735 Size 100 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with SERPINA3 monoclonal antibody, clone AACT/1452 (Cat # MAB14735).

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant human SERPINA3. |
| **Immunogen** | Recombinant protein corresponding to amino acids 49-187 of human SERPINA3. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 65-76 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Protein A/G purification |
| **Isotype** | IgG1 |
| **Recommend Usage** | Flow Cytometry (0.5-1 ug/$10^6$ cells)<br>Immunofluorescence (0.5-1 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL)<br>Western Blotting (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 10 mM PBS. |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Instruction** | Store at -20 to -80°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human pancreas with SERPINA3 monoclonal antibody, clone AACT/1452 (Cat # MAB14735).

- Immunofluorescence
- Flow Cytometry
- Western Blot

## Gene Info — SERPINA3

| | |
|---|---|
| **Entrez GeneID** | 12 |
| **Protein Accession#** | P01011 |
| **Gene Name** | SERPINA3 |
| **Gene Alias** | AACT, ACT, GIG24, GIG25, MGC88254 |
| **Gene Description** | serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 |
| **Omim ID** | 107280 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a plasma protease inhibitor and member of the serine protea se inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protea se targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, a nd deficiency of this protein has been associated with liver disease. Mutations have been identifie d in patients with Parkinson disease and chronic obstructive pulmonary disease. [provided by Ref Seq |
| **Other Designations** | alpha-1-antichymotrypsin\|antichymotrypsin\|growth-inhibiting protein 24\|growth-inhibiting protein 25 \|serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3\|s erine (or cysteine) proteinase inhibitor, clade A, memb |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## Publication Reference

- Value of prostate specific antigen alpha1-antichymotrypsin complex for the detection of prostate cancer in patients with a PSA level of 4.1-10.0 ng/mL: comparison with PSA-related parameters.

  Miyake H, Hara S, Nomi M, Arakawa S, Kamidono S, Hara I.

  International Journal of Urology 2001 Nov; 8(11):589.

## Disease

- Acute Disease
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Alzheimer disease
- Aneurysm
- Asthma
- Brain Ischemia
- Bronchial Hyperreactivity
- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy
- Cerebral Hemorrhage
- Cerebrovascular Accident
- Chronic Disease
- Cognition
- Cognition Disorders
- Cystic fibrosis
- Dementia
- Diabetes Complications

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Diabetes Mellitus
- Disease Progression
- Edema
- Encephalitis
- Genetic Predisposition to Disease
- Hemorrhage
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Inflammation
- Intracranial Aneurysm
- Kidney Failure
- Lung Neoplasms
- Macular Degeneration
- Mental Status Schedule
- Metabolic Syndrome X
- Multiple System Atrophy
- Myocardial Infarction
- Myocardial Ischemia
- Myositis
- Neoplasms
- Neuropsychological Tests
- Osteoarthritis
- Osteoporosis
- Pancreatitis
- Parkinson disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Pulmonary Emphysema
- Stroke
- Subarachnoid Hemorrhage
- Vasculitis
- Wegener Granulomatosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.