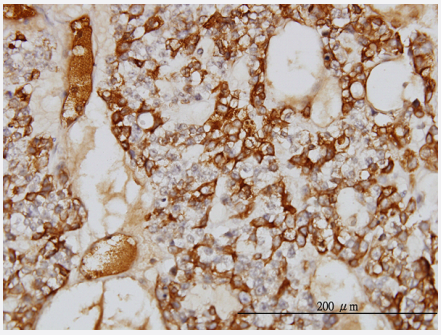
# SERPINA3 monoclonal antibody (M01), clone 1E6

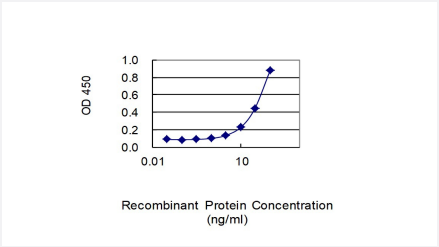
Catalog # H00000012-M01 Size 50 ug

## Applications



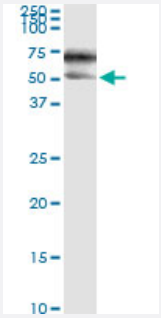

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SERPINA3 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 1 ug/ml]




### Sandwich ELISA (Recombinant protein)

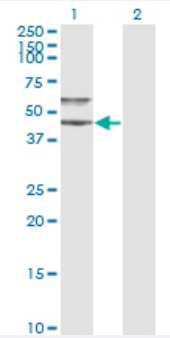
Detection limit for recombinant GST tagged SERPINA3 is 1 ng/ml as a capture antibody.




### Immunoprecipitation

Immunoprecipitation of SERPINA3 transfected lysate using anti-SERPINA3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINA3 MaxPab rabbit polyclonal antibody.

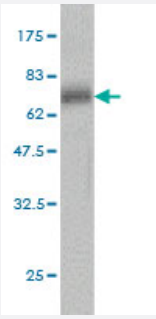
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## Western Blot (Transfected lysate)

Western Blot analysis of SERPINA3 expression in transfected 293T cell line by SERPINA3 monoclonal antibody (M01), clone 1E6.

Lane 1: SERPINA3 transfected lysate(47.7 KDa).
Lane 2: Non-transfected lysate.




Western Blot detection against Immunogen (69.63 KDa) .

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against a full length recombinant SERPINA3. |
| **Immunogen** | SERPINA3 (AAH03559, 25 a.a. ~ 423 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Sequence** | PNSPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQLVLKAPDKNVIFSPLSISTALAFLSLG AHNTTLTEILKGLKFNLTETSEAEIHQSFQHLLRTLNQSSDELQLSMGNAMFVKEQLSLLDRFTED AKRLYGSEAFATDFQDSAAAKKLINDYVKNGTRGKITDLIKDLDSQTMMVLVNYIFFKAKWEMPFD PQDTHQSRFYLSKKKWVMVPMMSLHHLTIPYFRDEELSCTVVELKYTGNASALFILPDQDKMEEV EAMLLPETLKRWRDSLEFREIGELYLPKFSISRDYNLNDILLQLGIEEAFTSKADLSGITGARNLAVS QVVHKAVLDVFEEGTEASAATAVKITLLSALVETRTIVRFNRPFLMIIVPTDTQNIFFMSKVTNPKQA | |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Interspecies Antigen Sequence** | Mouse (58); Rat (62) |
| **Isotype** | IgG1 Kappa |
| **Quality Control Testing** | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (69.63 KDa) . |
| **Storage Buffer** | In 1x PBS, pH 7.4 |

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| | |
|---|---|
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## Applications

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

  Immunoperoxidase of monoclonal antibody to SERPINA3 on formalin-fixed paraffin-embedded human ovary, clear cell carcinoma. [antibody concentration 1 ug/ml]

  Protocol Download

- ELISA

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged SERPINA3 is 1 ng/ml as a capture antibody.

  Protocol Download

- Immunoprecipitation

  Immunoprecipitation of SERPINA3 transfected lysate using anti-SERPINA3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINA3 MaxPab rabbit polyclonal antibody.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of SERPINA3 expression in transfected 293T cell line by SERPINA3 monoclonal antibody (M01), clone 1E6.

  Lane 1: SERPINA3 transfected lysate(47.7 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

## Gene Info — SERPINA3

| | |
|---|---|
| **Entrez GeneID** | 12 |
| **GeneBank Accession#** | BC003559 |
| **Protein Accession#** | AAH03559 |

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| | |
|---|---|
| **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 protease inhibitor class. Polymorphisms in this protein appear to be tissue specific and influence protease targeting. Variations in this protein's sequence have been implicated in Alzheimer's disease, and deficiency of this protein has been associated with liver disease. Mutations have been identified 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\|serine (or cysteine) proteinase inhibitor, clade A, memb |

## 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

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- Cognition
- Cognition Disorders
- Cystic fibrosis
- Dementia
- Diabetes Complications
- 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

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- Osteoarthritis
- Osteoporosis
- Pancreatitis
- Parkinson disease
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Pulmonary Emphysema
- Stroke
- Subarachnoid Hemorrhage
- Vasculitis
- Wegener Granulomatosis

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