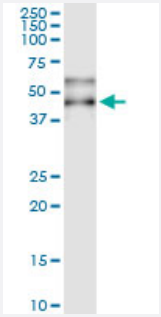
MaxPab®

# SERPINA3 MaxPab rabbit polyclonal antibody (D01)

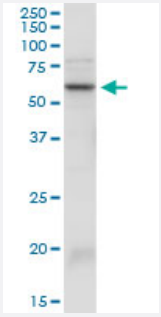
Catalog # H00000012-D01 Size 100 uL

## Applications



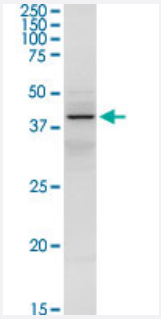

### Immunoprecipitation

Immunoprecipitation of SERPINA3 transfected lysate using anti-SERPINA3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINA3 purified MaxPab mouse polyclonal antibody (B01P) (H00000012-B01P).



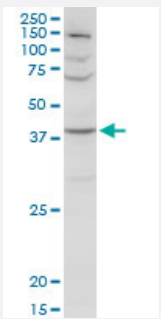

### Western Blot (Tissue lysate)

SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in mouse brain.




### Western Blot (Tissue lysate)

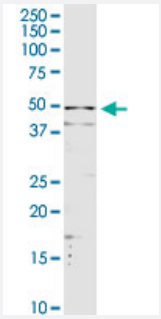
SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in mouse testis.




### Western Blot (Cell lysate)

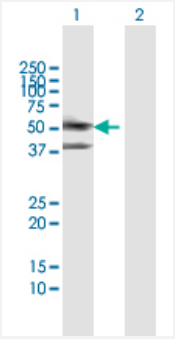
SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in HeLa.

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## Western Blot (Cell lysate)

SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in HepG2.




## Western Blot (Transfected lysate)

Western Blot analysis of SERPINA3 expression in transfected 293T cell line (H00000012-T01) by SERPINA3 MaxPab polyclonal antibody.

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

## Specification

| | |
|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against a full-length human SERPINA3 protein. |
| **Immunogen** | SERPINA3 (NP_001076.2, 1 a.a. ~ 423 a.a) full-length human protein. |
| **Sequence** | MERMLPLLALGLLAAGFCPAVLCHPNSPLDEENLTQENQDRGTHVDLGLASANVDFAFSLYKQL VLKAPDKNVIFSPLSISTALAFLSLGAHNTTLTEILKGLKFNLTETSEAEIHQSFQHLLRTLNQSSDEL QLSMGNAMFVKEQLSLLDRFTEDAKRLYGSEAFATDFQDSAAAKKLINDYVKNGTRGKITDLIKDL DSQTMMVLVNYIFFKAKWEMPFDPQDTHQSRFYLSKKKWVMVPMMSLHHLTIPYFRDEELSCTV VELKYTGNASALFILPDQDKMEEVEAMLLPETLKRWRDSLEFREIGELYLPKFSISRDYNLNDILLQ LGIEEAFTSKADLSGITGARNLAVSQVVHKAVLDVFEEGTEASAATAVKITLLSALVETRTIVRFNRP FLMIIVPTDTQNIFFMSKVTNPKQA |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Interspecies Antigen Sequence** | Mouse (58); Rat (61) |
| **Quality Control Testing** | Antibody reactive against mammalian transfected lysate. |
| **Storage Buffer** | No additive |
| **Storage Instruction** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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## Applications

- Immunoprecipitation

  Immunoprecipitation of SERPINA3 transfected lysate using anti-SERPINA3 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with SERPINA3 purified MaxPab mouse polyclonal antibody (B01P) (H00000012-B01P).

  Protocol Download

- Western Blot (Tissue lysate)

  SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in mouse brain.

  Protocol Download

- Western Blot (Tissue lysate)

  SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in mouse testis.

  Protocol Download

- Western Blot (Cell lysate)

  SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in HeLa.

  Protocol Download

- Western Blot (Cell lysate)

  SERPINA3 MaxPab rabbit polyclonal antibody. Western Blot analysis of SERPINA3 expression in HepG2.

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of SERPINA3 expression in transfected 293T cell line (H00000012-T01) by SERPINA3 MaxPab polyclonal antibody.

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

  Protocol Download

## Gene Info — SERPINA3

| | |
|---|---|
| **Entrez GeneID** | 12 |
| **GeneBank Accession#** | NM_001085.4 |
| **Protein Accession#** | NP_001076.2 |

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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 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 |

## Publication Reference

- Identification of potential serum biomarkers to predict feed efficiency in young pigs.

  Grubbs JK, Dekkers JCM, Huff-Lonergan E, Tuggle CK, Lonergan SM.

  Journal of Animal Science 2016 Apr; 94(4):1482.

  Application: WB, Pig, Serum

## Disease

- Acute Disease
- alpha 1-Antitrypsin Deficiency
- Alpha-1-antitrypsin deficiency
- Alzheimer disease
- Aneurysm
- Asthma
- Brain Ischemia
- Bronchial Hyperreactivity

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- Cardiovascular Diseases
- Cerebral Amyloid Angiopathy
- Cerebral Hemorrhage
- Cerebrovascular Accident
- Chronic Disease
- 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

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- Multiple System Atrophy
- Myocardial Infarction
- Myocardial Ischemia
- Myositis
- Neoplasms
- Neuropsychological Tests
- 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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