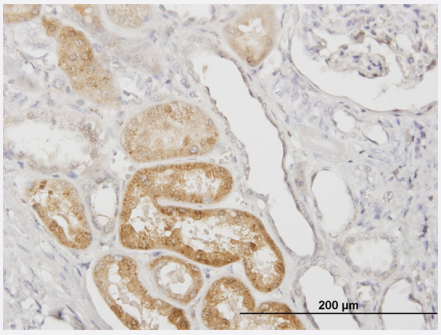
SERPINA3 monoclonal antibody (M02), clone 1C10

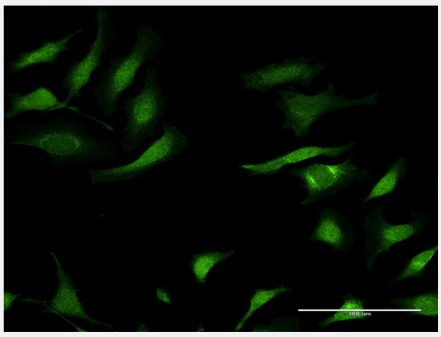
Catalog # H00000012-M02 Size 100 ug

Applications



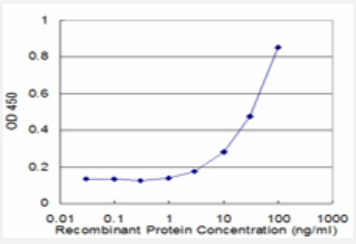
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SERPINA3 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Immunofluorescence

Immunofluorescence of monoclonal antibody to SERPINA3 on HeLa cell . [antibody concentration 10 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SERPINA3 is approximately 3ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SERPINA3.

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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	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
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 kidney. [antibody concentration 3 ug/ml]

  Protocol Download

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to SERPINA3 on HeLa cell . [antibody concentration 10 ug/ml]

  Protocol Download

- ELISA

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged SERPINA3 is approximately 3ng/ml as a capture antibody.

  Protocol Download

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Gene Info — SERPINA3

Entrez GeneID	12
GeneBank Accession#	BC003559
Protein Accession#	AAH03559
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

- Whole genome RNA expression profiling of endoscopic biliary brushings provides data suitable for biomarker discovery in cholangiocarcinoma.

  Chapman MH, Tidswell R, Dooley JS, Sandanayake NS, Cerec V, Deheragoda M, Lee AJ, Swanton C, Andreola F, Pereira SP.

  Journal of Hepatology 2011 Dec; 56(4):877.

  Application: IHC-P, Human, Biliary tissues

Disease

- Acute Disease
- alpha 1-Antitrypsin Deficiency

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- 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
- Diabetes Mellitus
- Disease Progression
- Edema
- Encephalitis
- Genetic Predisposition to Disease
- Hemorrhage
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Inflammation

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

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