

PI15 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant PI15.****Catalog # AT3304a****Specification**

PI15 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, E
Primary Accession	O43692
Other Accession	NM_015886
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	29065

PI15 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 51050**Other Names**

Peptidase inhibitor 15, PI-15, 25 kDa trypsin inhibitor, p25TI, Cysteine-rich secretory protein 8, CRISP-8, SugarCrisp, PI15, CRISP8, P25TI

Target/Specificity

PI15 (NP_056970, 18 a.a. ~ 117 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IHC~~1:100~500

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

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

Precautions

PI15 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

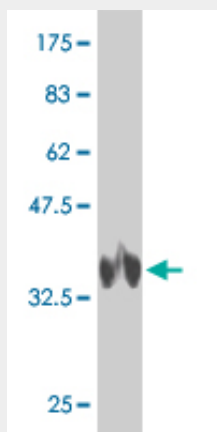
PI15 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

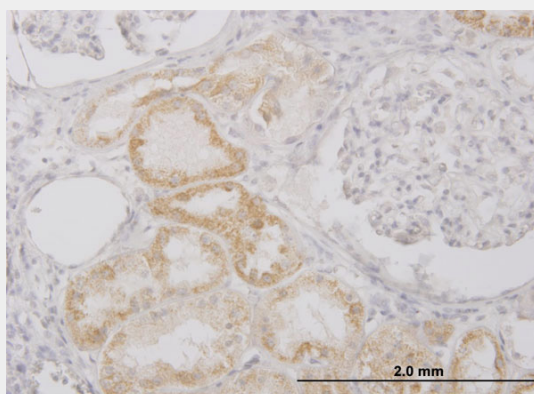
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

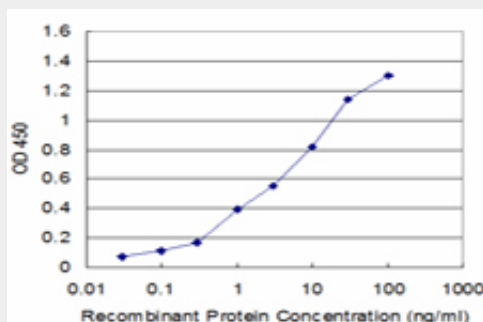
PI15 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



Immunoperoxidase of monoclonal antibody to PI15 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged PI15 is approximately 0.1ng/ml as a capture antibody.

PI15 Antibody (monoclonal) (M02) - Background

This gene encodes a trypsin inhibitor. The protein shares similarity to insect venom allergens, mammalian testis-specific proteins and plant pathogenesis-related proteins. It is frequently expressed in human neuroblastoma and glioblastoma cell lines, and thus may play a role in the central nervous system.

PI15 Antibody (monoclonal) (M02) - References

A genome-wide association study identifies protein quantitative trait loci (pQTLs). Melzer D, et al. PLoS Genet, 2008 May 9. PMID 18464913. Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932. A novel developmentally regulated gene in lung mesenchyme: homology to a tumor-derived trypsin inhibitor. Kaplan F, et al. Am J Physiol, 1999 Jun. PMID 10362728. cDNA cloning of a novel trypsin inhibitor with similarity to pathogenesis-related proteins, and its frequent expression in human brain cancer cells. Yamakawa T, et al. Biochim Biophys Acta, 1998 Jan 21. PMID 9473672.