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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

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

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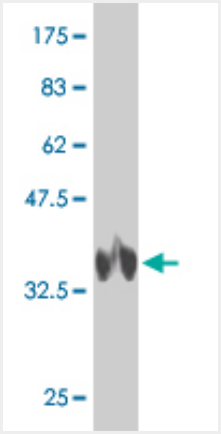
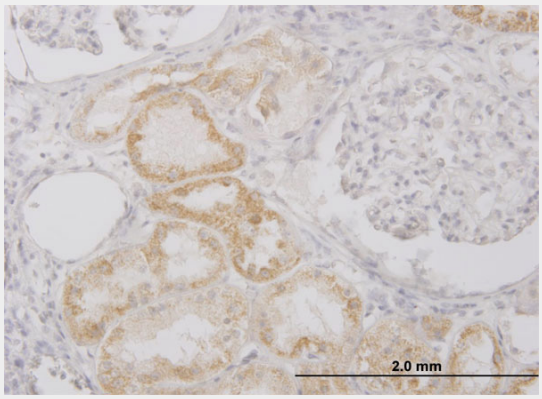
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

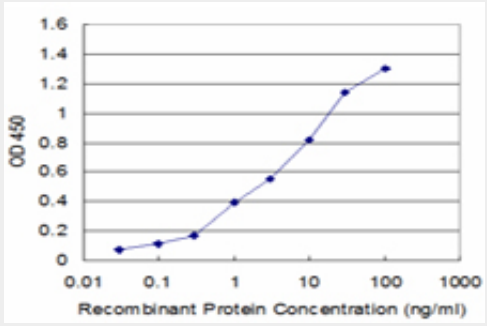
PI15 Antibody (monoclonal) (M02) - Images



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.