10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PDCD6IP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PDCD6IP.
Catalog # AT3247a

Specification

PDCD6IP Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	Q8WUM4
Other Accession	BC020066
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a kappa**
Calculated MW	**96023**

PDCD6IP Antibody (monoclonal) (M01) - Additional Information

Gene ID 10015

Other Names
Programmed cell death 6-interacting protein, PDCD6-interacting protein, ALG-2-interacting protein 1, ALG-2-interacting protein X, Hp95, PDCD6IP, AIP1, ALIX, KIAA1375

Target/Specificity
PDCD6IP (AAH20066, 1 a.a. ~ 110 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
PDCD6IP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PDCD6IP Antibody (monoclonal) (M01) - Protocols

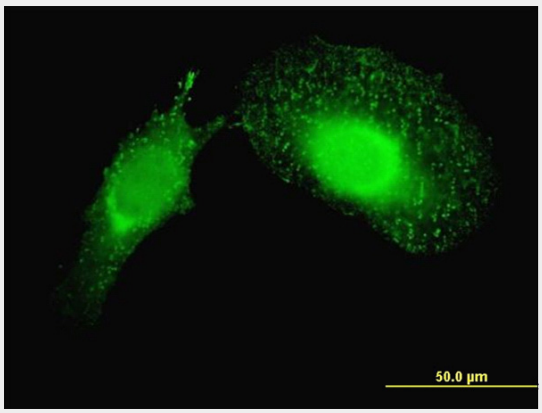
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

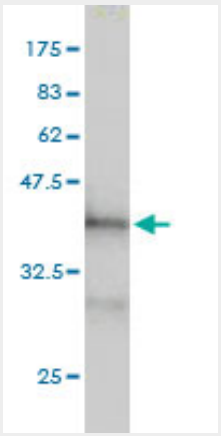
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

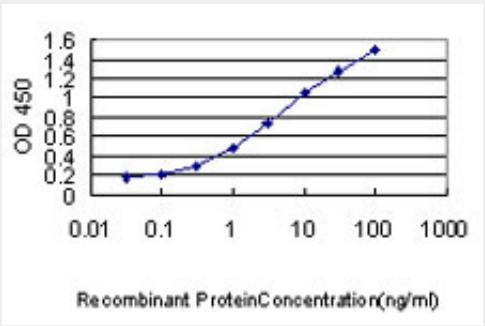
PDCD6IP Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to PDCD6IP on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Detection limit for recombinant GST tagged PDCD6IP is approximately 0.03ng/ml as a capture antibody.

PDCD6IP Antibody (monoclonal) (M01) - Background

This gene encodes a protein thought to participate in programmed cell death. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product of this gene binds to the product of the PDCD6 gene, a protein required for apoptosis, in a calcium-dependent manner. This gene product also binds to endophilins, proteins that regulate membrane shape during endocytosis. Overexpression of this gene product and endophilins results in cytoplasmic vacuolization, which may be partly responsible for the protection against cell death. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

PDCD6IP Antibody (monoclonal) (M01) - References

Significance of the YLDL motif in the M protein and Alix/AIP1 for Sendai virus budding in the context of virus infection. Irie T, et al. Virology, 2010 Sep 30. PMID 20605035.The ESCRT-associated protein Alix recruits the ubiquitin ligase Nedd4-1 to facilitate HIV-1 release through the LYPXnL L domain motif. Sette P, et al. J Virol, 2010 Aug. PMID 20519395.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Discovery of novel human transcript variants by analysis of intronic single-block EST with polyadenylation site. Wang P, et al. BMC Genomics, 2009 Nov 12. PMID 19906316.Galectin-3 negatively regulates TCR-mediated CD4+ T-cell activation at the immunological synapse. Chen HY, et al. Proc Natl Acad Sci U S A, 2009 Aug 25. PMID 19706535.