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# PDCD6IP Antibody (monoclonal) (M01)

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

## Product Information

| | |
|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | Q8WUM4 |
| **Other Accession** | BC020066 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2a kappa |
| **Clone Names** | 3C4 |
| **Calculated MW** | 96023 |

## Additional Information

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|---|---|
| **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 IF~~1:50~200 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** | PDCD6IP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

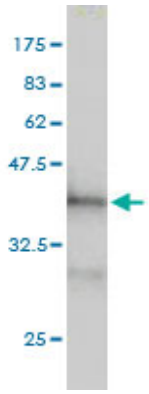
## Background

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.

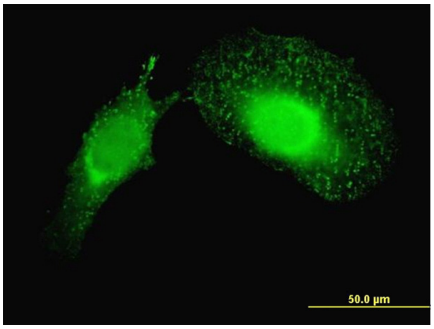
## References

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.

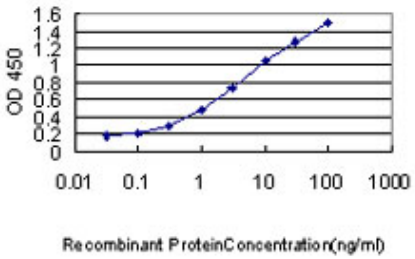
## Images




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




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




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.