

## ARG66998 anti-ALIX antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ALIX
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALIX
Species	Human
Immunogen	Synthetic peptide around the middle region of Human ALIX.
Conjugation	Un-conjugated
Alternate Names	Programmed cell death 6-interacting protein; ALG-2-interacting protein 1; ALG-2-interacting protein X; DRIP4; PDCD6-interacting protein; Hp95; ALIX; HP95; AIP1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:400 - 1:600
	IHC-P	1:200 - 1:300
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Raji; colon cancer; MCF7	
Observed Size	95 kDa	

### Properties

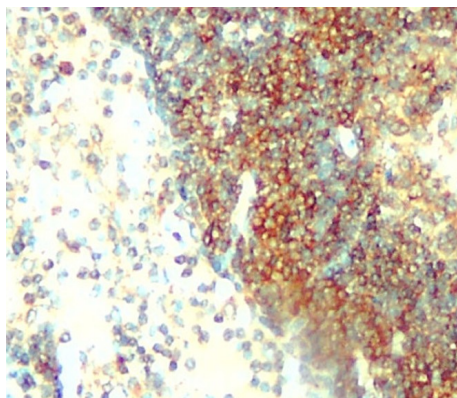
Form	Liquid
Purification	Affinity purified.
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

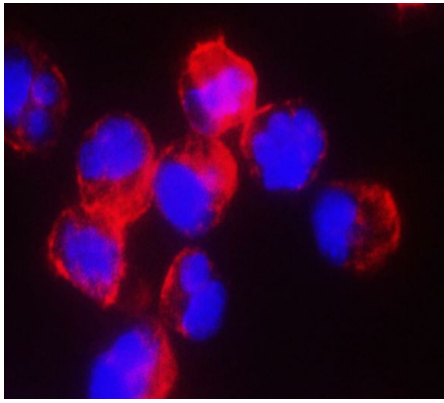
Gene Symbol	PDCD6IP
Gene Full Name	programmed cell death 6 interacting protein
Background	This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells 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. Related pseudogenes have been identified on chromosome 15. [provided by RefSeq, Jan 2012]
Function	Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome. Binds to the phospholipid lysobisphosphatidic acid (LBPA) which is abundant in MVBs internal membranes. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). Appears to be an adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis. Involved in HIV-1 virus budding. Can replace TSG101 in its role of supporting HIV-1 release; this function implies the interaction with CHMP4B. May play a role in the regulation of both apoptosis and cell proliferation. [UniProt]
Calculated Mw	96 kDa
PTM	May be phosphorylated on tyrosine residues by activated PDGFRB. [UniProt]
Cellular Localization	Cytoplasm, cytosol. Melanosome. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Secreted, exosome. Cell junction, tight junction. Midbody, Midbody ring. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Colocalized with CEP55 at centrosomes of non-dividing cells. Component of the actomyosin-tight junction complex (By similarity). PDCD6IP targeting to the midbody requires the interaction with CEP55 (PubMed:18641129). [UniProt]

## Images



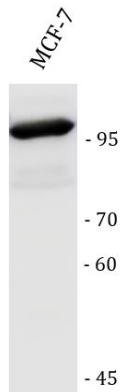
ARG66998 anti-ALIX antibody IHC-P image

Immunohistochemistry: Paraffin-embedded human colon cancer tissue stained with ARG66998 anti-ALIX antibody at 1:200 dilution. Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0).



ARG66998 anti-ALIX antibody ICC/IF image

Immunofluorescence: Raji stained with ARG66998 anti-ALIX antibody at 1:400 dilution.



ARG66998 anti-ALIX antibody WB image

Western blot: 35 µg of MCF7 cell lysate stained with ARG66998 anti-ALIX antibody at 1:1000 dilution, overnight at 4°C.