



ALIX Rabbit mAb

Catalog No	YP-rAb-18101
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	PDCD6IP AIP1 ALIX KIAA1375
Protein Name	Alix
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1000; WB 1:1000-5000; IF 1:200-1000; ELISA 1:5000-20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	ALIX;Programmed cell death 6-interacting protein ; PDCD6-interacting protein ; ALG-2-interacting protein 1 ; Hp95 ;PDCD6IP AIP1 ALIX KIAA1375
Observed Band	96kD
Calculated Molecular Weight	96kD
Cell Pathway	Cytoplasmic
Tissue Specificity	Brain,Lymph,Osteosarcoma,Placenta,Testis,
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 it 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.,similarity:Contains 1 BRO1 domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Colocalized with CEP55 in the midbody during cytokinesis. Colocalized with CEP55 at centrosomes of non-dividing cells.,subunit:Interacts with SH3KBP1. Interacts with PDCD6; the interaction is calcium-dependent (By similarity). Interacts with TSG101 and SGSM3. Self-associates. Interacts with CHMP4A; the interaction is direct. Interacts with CHMP4B; the interaction is direct. Interacts with CHMP4C; the interaction is direct. Interacts with HIV-1 p6. Interacts with EIAV p9; the interaction has been shown in vitro. Interacts with CEP55; the interaction is direct; CEP55 binds PDCD6IP in a 2:1 stoichiometry. Interacts with SH3GL1 and SH3GL2.,

Background

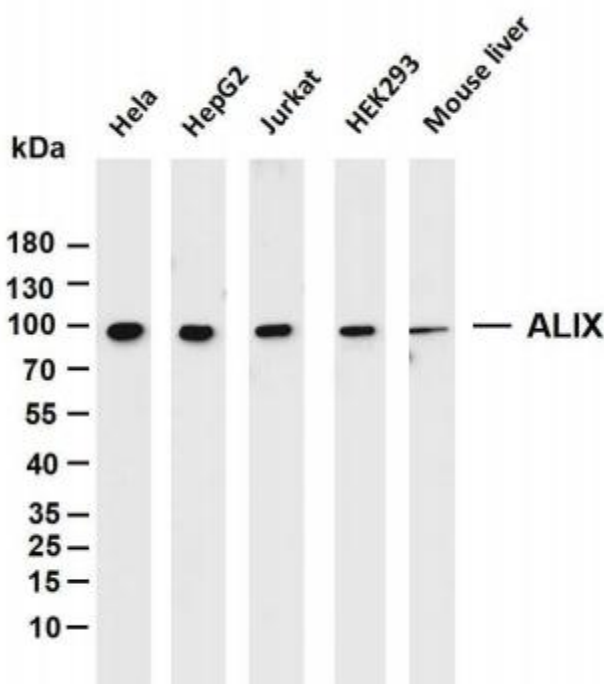
This gene encodes a protein that functions within the ESCRT pathway in the abscission stage of cytokinesis, in intraluminal endosomal vesicle formation, and in enveloped virus budding. Studies using mouse cells have shown that overexpression of this protein can block apoptosis. In addition, the product 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],

matters needing attention

Avoid repeated freezing and thawing!

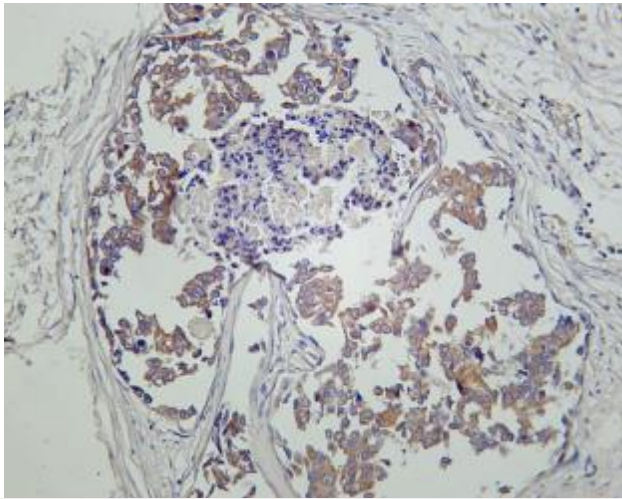
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

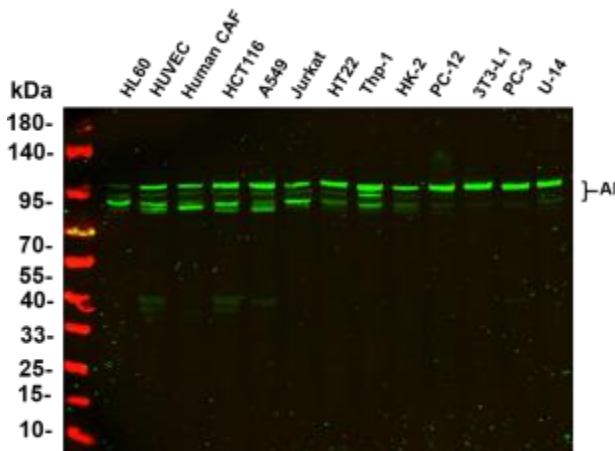


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ALIX antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HepG2 Lane 3: Jurkat Lane 4: HEK293 Lane 5: Mouse liver Predicted band size: 96kDa Observed band size: 96kDa





Human breast carcinoma was stained with Anti-ALIX rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody

