

ALIX (PT0109R) PT™ Rabbit mAb

CatalogNo: YM8063 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 96kD (Calculated)
- 96kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

Basic Information

Clonality Monoclonal

Clone Number PT0109R

Immunogen Information

Specificity Endogenous

Target Information

Gene name PDCD6IP AIP1 ALIX KIAA1375

Protein Name Alix

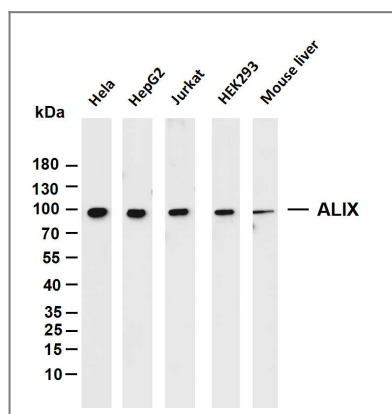
Organism	Gene ID	UniProt ID
Human	10015 ;	Q8WUM4 ;

Cellular Localization Cytoplasmic

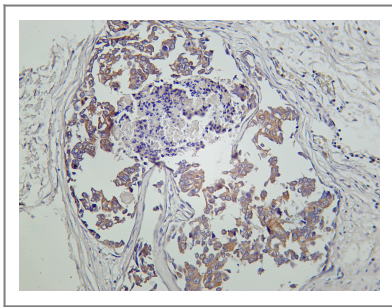
Tissue specificity Brain,Lymph,Osteosarcoma,Placenta,Testis,

Function 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.,

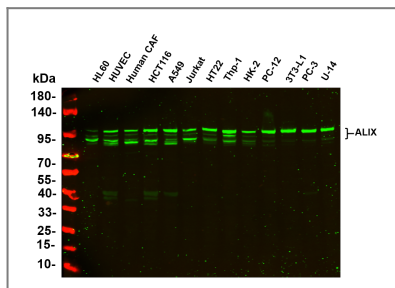
Validation Data



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(Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - Human umbilical vein endothelial cell Lane3: Human CAF - Human cancer-associated fibroblast Lane4: HCT116 - Human colorectal carcinoma Lane5: A549 - Human lung carcinoma Lane6: Jurkat - Human T lymphocyte leukemia Lane7: HT22 - Mouse hippocampal neuronal Lane8: Thp-1 - Human monocytic leukemia Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Predicted band size: 96kDa Observed band size: 90-100kDa

Contact information

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Please scan the QR code to access additional product information:
ALIX (PT0109R) PT™
Rabbit mAb

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