



Mouse Monoclonal Antibody **ALIX** conjugated to Sepharose Beads

CatalogNo: **ANT8063-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

ALIX (ANT0009R) Rabbit mAb

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANaN3.

Host Species

- Rabbit
- Human, Mouse, Rat,

Reactivity

- WB, IHC, IF, IP, ELISA

Applications

MW

- 96kD (Calculated)
 - IgG, Kappa
- 96kD (Observed)

Isotype

Recommended Dilution Ratios

IP

Basic Information

Clonality

Monoclonal

Immunogen Information Specificity

Endogenous

Gene name PDCD6IP AIP1 ALIX KIAA1375

Protein Name Alix

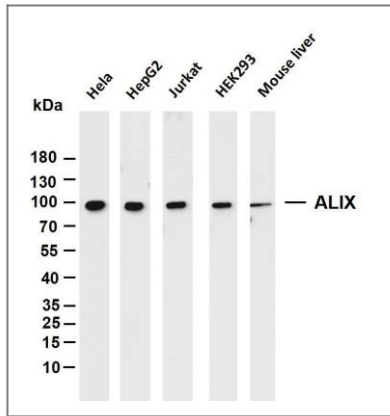
| | Organism | Gene ID | UniProt ID |
|--|----------|-------------------------|--------------------------|
| | Human | 10015 ; | Q8WUM4 ; |

**Cellular
Localization** Cytoplasmic

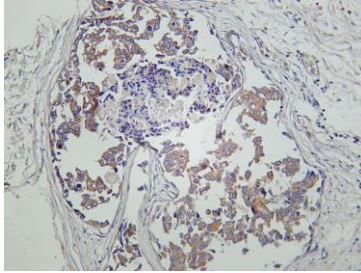
Tissue specificity Brain,Lymph,Osteosarcoma,Placenta,Testis,

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 (ANT0009R) antibody. The HRPconjugated 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 (PT0109R) rabbit antibody

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