

Alix Monoclonal Antibody

OPM16299YP

Reactivity	H,M,R	Storage	-20°C, Avoid freeze/ thaw cycles
Source	Mouse	Applications	WB
Isotype	IgG	Concentration	1mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Immunogen Information

Immunogen	Synthesized peptide derived from human Alix AA range: 410-490.
Purity	The antibody was affinity purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Synonyms	Programmed cell death 6-interacting protein (PDCD6-interacting protein;ALG-2- interacting protein 1;Hp95).

Product Information

Observed MW 85-100kD

Buffer Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Dilution WB 1:500-1:2000

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

Tissue Specificity

Brain, Lymph, Osteosarcoma, Placenta, Testis

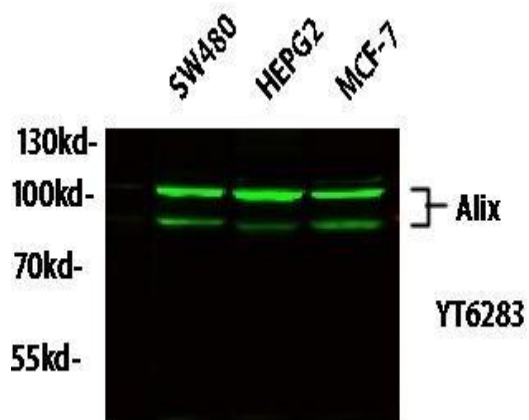
Functions

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.

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.

Images



Western Blot analysis of various cells using Alix Monoclonal Antibody.

Research Use

For research use only, not for use in diagnostic procedures.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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