

## Anti-Alix Antibody (5X926)

## Product Details

Ig Type:	IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5X926
Purification:	Protein G purified

## Applications

	Western Blot
	-Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, PC-3 whole cell lysate, U87 whole cell lysate
Verified Activity:	-All lanes: Alix antibody at 1:1000
	-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution
	-Predicted band size: 30, 96 KDa
	-Observed band size: 96 KDa
	-Exposure time: 5min
Application:	ELISA, WB

## Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human Programmed cell death 6-interacting Protein
Antigen Species:	Human
Gene ID:	10015
Uniprot ID:	Q8WUM4
Synonyms:	ALG-2-interacting protein X;Hp95;PDCD6IP;KIAA1375;ALIX;Programmed cell death 6-interacting protein;PDCD6-interacting protein;AIP1;ALG-2-interacting protein 1
Biology Area:	Others

## Research Background

Multifunctional protein involved in endocytosis, multivesicular body biogenesis, membrane repair, cytokinesis, apoptosis and maintenance of tight junction integrity. 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 requires 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. Adapter for a subset of ESCRT-III

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proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis. May play a role in the regulation of both apoptosis and cell proliferation. Regulates exosome biogenesis in concert with SDC1/4 and SDCBP. By interacting with F-actin, PARD3 and TJP1 secures the proper assembly and positioning of actomyosin-tight junction complex at the apical sides of adjacent epithelial cells that defines a spatial membrane domain essential for the maintenance of epithelial cell polarity and barrier. (Microbial infection) Involved in HIV-1 virus budding. Can replace TSG101 in its role of supporting HIV-1 release; this function requires the interaction with CHMP4B. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as enveloped virus budding (HIV-1 and other lentiviruses).

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