ALG-2-interacting protein (Alix), also designated programmed cell death 6-interacting protein (PDCD6-interacting protein and Hsp95), is a cytoplasmic protein that interacts with apoptosis-associated proteins (ALG-2 and PDCD6) and with the endocytosis-regulator CIN85. Additionally, Alix interacts with the endosomal sorting complexes required for transport (ESCRT) proteins (Tsg101 and CHMP4) and can associate with HIV-1. The endophilins (SH3P4, SH3P8 and SH3P13), enzymes that change curvature of the membrane that are required for early and late steps of coated vesicle formation, also bind to Alix. Alix is involved in the concentration and sorting of cargo proteins of the multivesicular body for incorporation into vesicles.

**CHROMOSOMAL LOCATION**

Genetic locus: PDCD6IP (human) mapping to 3p22.3; Pdcd6ip (mouse) mapping to 9 F3.

**SOURCE**

Alix (C-11) is a mouse monoclonal antibody raised against amino acids 463-732 mapping near the C-terminus of Alix of human origin.

**PRODUCT**

Each vial contains 200 µg IgG2a kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Alix (C-11) is available conjugated to agarose (sc-271975 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-516102), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycocyanin (sc-271975 PE), fluorescein (sc-271975 FITC), Alexa Fluor® 488 (sc-271975 AF488), Alexa Fluor® 546 (sc-271975 AF546), Alexa Fluor® 594 (sc-271975 AF594) or Alexa Fluor® 647 (sc-271975 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; to Alexa Fluor® 680 (sc-271975 AF680) or Alexa Fluor® 790 (sc-271975 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No SDS required.

**APPLICATIONS**

Alix (C-11) is recommended for detection of Alix of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of Alix: 95 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, Jurkat whole cell lysate: sc-2204 or WEHI-231 whole cell lysate: sc-2213.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).


**DATA**

Alix(C-11) sc-271975. Western blot analysis of Alix expression in Jurkat (A), K-562 (B), RAW 264.7 (C), Sol8 (D) and WEHI-231 (E) whole cell lysates.

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

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