

ANKFY1 polyclonal antibody

Catalog: BS32720

Host: Rabbit

Reactivity: Human

BackGround:

Ankyrin repeat and FYVE domain-containing protein 1: Proposed effector of Rab5 . Binds to phosphatidylinositol 3-phosphate (PI[3]P) . Involved in homotypic early endosome fusion and to a lesser extent in heterotypic fusion of clathrin-coated vesicles with early endosomes . Involved in macropinocytosis; the function is dependent on Rab5-GTP . Required for correct endosomal localization . Involved in the internalization and trafficking of activated tyrosine kinase receptors such as PDGFRB . Regulates the subcellular localization of the retromer complex in a EHD1-dependent manner . Involved in endosome-to-Golgi transport and biosynthetic transport to late endosomes and lysosomes indicative for a regulation of retromer complex-mediated retrograde transport . Required for podocyte migration

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~128 kDa

Swiss-Prot:

Q9P2R3

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), FC (1/10 - 1/50)

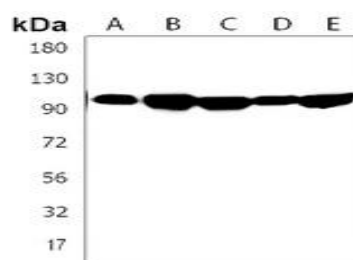
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

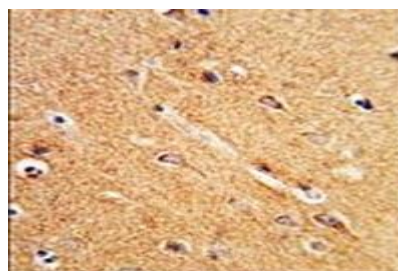
Specificity:

Recognizes endogenous levels of ANKFY1 protein.

DATA:



Western blot analysis of ETFA expression in HepG2 (A), A431 (B), HEK293 (C), Hela (D), MCF7 (E) whole cell lysates.



Immunohistochemical analysis of ETFA staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of ETFA staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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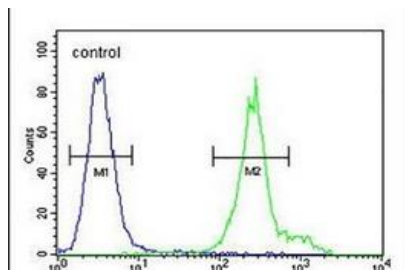
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PRODUCT DATA SHEET

Bioworld Technology, Inc.



Flow cytometric analysis of HeLa cells using Anti-ETFA Antibody (green) and negative control (red).

Note:

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

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