

PIKFYVE Polyclonal Antibody

Catalog No. E-AB-32588

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

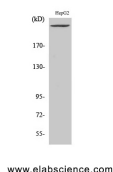
Description

Reactivity	Human,Mouse
Immunogen	Synthesized peptide derived from the N-terminal region of human PIP5KIII
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB	1:500-1:2000
IF	1:100-1:300
ELISA	1:5000

Data



Western Blot analysis of HepG2 cells with PIKFYVE
Polyclonal Antibody
Observed Mw:237kDa
Calculated Mw:237kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Phosphorylated derivatives of phosphatidylinositol (PtdIns) regulate cytoskeletal functions, membrane trafficking, and receptor signaling by recruiting protein complexes to cell- and endosomal-membranes. Humans have multiple PtdIns proteins that differ by the degree and position of phosphorylation of the inositol ring. This gene encodes an enzyme (PIKfyve; also known as phosphatidylinositol-3-phosphate 5-kinase type III or PIPKIII) that phosphorylates the D-5 position in PtdIns and phosphatidylinositol-3-phosphate (PtdIns3P) to make PtdIns5P and PtdIns(3,5)biphosphate.

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