

FICD Polyclonal Antibody

catalog number: E-AB-90665

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

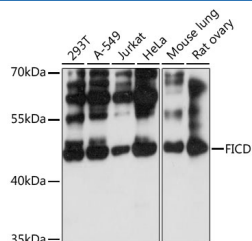
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of human FICD
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

WB	1:500-1:2000
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Data



Western blot analysis of extracts of various cell lines using FICD Polyclonal Antibody at 1:3000 dilution.

Observed-MV:51 kDa

Calculated-MV:51 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Protein that can both mediate the addition of adenosine 5'-monophosphate (AMP) to specific residues of target proteins (AMPylation, and the removal of the same modification from target proteins (de-AMPylation, depending on the context (By similarity. The side chain of Glu-231 determines which of the two opposing activities (AMPylase or de-AMPylase will take place (By similarity. Acts as a key regulator of the ERN1/IRE1-mediated unfolded protein response (UPR by mediating AMPylation or de-AMPylation of HSPA5/BiP. In unstressed cells, acts as an adenylyltransferase by mediating AMPylation of HSPA5/BiP at 'Thr-518', thereby inactivating it (By similarity. In response to endoplasmic reticulum stress, acts as a phosphodiesterase by mediating removal of ATP (de-AMPylation from HSPA5/BiP at 'Thr-518', leading to restore HSPA5/BiP activity (By similarity. Although it is able to AMPylate RhoA, Rac and Cdc42 Rho GTPases in vitro, Rho GTPases do not constitute physiological substrates.

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