

www.immunoway.com

FICD Rabbit pAb

CatalogNo: YN8129

Key Features

Host SpeciesRabbit

ReactivityHuman,Mouse,Rat

Applications
• WB

MW • 50kD (Calculated) Isotype • IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human FICD
Specificity	This antibody detects endogenous levels of FICD at Human, Mouse,Rat

Target Information

Gene name FICD HIP13 HYPE UNQ3041/PR09857

Protein Name

Adenosine monophosphate-protein transferase FICD (AMPylator FICD) (FIC domaincontaining protein) (Huntingtin yeast partner E) (Huntingtin-interacting protein 13) (HIP-13) (Huntingtin-interacting protein E)

Organism	Gene ID	UniProt ID
Human	<u>11153;</u>	<u>Q9BVA6;</u>
Mouse	<u>231630;</u>	<u>Q8BIX9;</u>
Rat	<u>288741;</u>	<u>Q6AY47;</u>

Cellular Endoplasmic reticulum membrane ; Single-pass type II membrane protein . **Localization**

Tissue specificity Ubiquitous.

Function 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 .

Validation Data

Contact information

order@immunoway.com
tech@immunoway.com
877-594-3616 (Toll Free), 408-747-0185
http://www.immunoway.com
2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information: **FICD Rabbit pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

Antibody | ELISA Kits | Protein | Reagents