

VIP2 Rabbit pAb

CatalogNo: YT7345

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 137kD (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 VIP2 AA range: 266-316

Specificity

This antibody detects endogenous levels of VIP2 at Human/Mouse

Target Information

Gene name

PPIP5K2 HISPPD1 KIAA0433 VIP2

Protein Name

VIP2

Organism**Gene ID****UniProt ID**

Human

[23262;](#)[O43314;](#)

Mouse

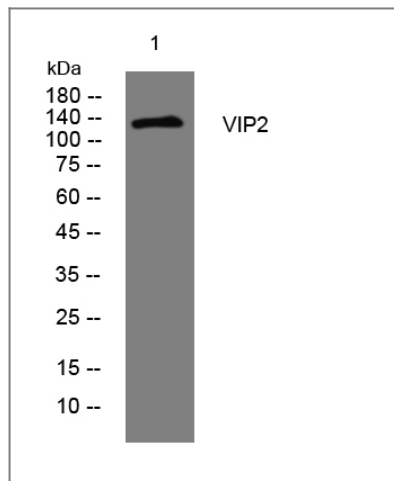
[227399;](#)[Q6ZQB6;](#)**Cellular
Localization**

Cytoplasm, cytosol .

Function

Catalytic activity:ATP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate = ADP + diphospho-1D-myo-inositol tetrakisphosphate (isomeric configuration unknown).,Catalytic activity:ATP + 1D-myo-inositol 5-diphosphate pentakisphosphate = ADP + 1D-myo-inositol bisdiphosphate tetrakisphosphate (isomeric configuration unknown).,Catalytic activity:ATP + 1D-myo-inositol hexakisphosphate = ADP + 5-diphospho-1D-myo-inositol (1,2,3,4,6)pentakisphosphate.,Caution:Although related to histidine acid phosphatases, it lacks the conserved active sites, suggesting that it has no phosphatase activity.,Function:Bifunctional inositol kinase that catalyzes the formation of diphosphoinositol pentakisphosphate (InsP7 or PP-InsP5) and bi-diphosphoinositol tetrakisphosphate (InsP8 or PP2-InsP4). Converts inositolitol hexakisphosphate (InsP6) to InsP7. Also able to convert InsP7 to InsP8. Probably specifically mediates the formation of 4PP-InsP5 and 6PP-InsP5 InsP7 isomers but not of 5PP-IP5 InsP7 isomer.,similarity:Belongs to the histidine acid phosphatase family. VIP1 subfamily.,

Validation Data



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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