

GRPE2 Rabbit pAb

CatalogNo: YT7768

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 25kD (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 GRPE2 AA range: 42-92

Specificity This antibody detects endogenous levels of GRPE2 at Human/Mouse

Target Information

Gene name GRPEL2

Protein Name

GRPE2

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

Human

[134266;](#)[Q8TAA5;](#)

Mouse

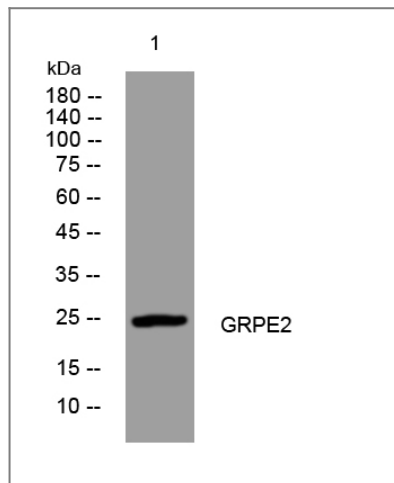
[17714;](#)[O88396;](#)**Cellular
Localization**

Mitochondrion matrix .

Function

Function:Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner.,Function:Essential component of the PAM complex, a complex required for the translocation of transit peptide-containing proteins from the inner membrane into the mitochondrial matrix in an ATP-dependent manner. Seems to control the nucleotide-dependent binding of mitochondrial HSP70 to substrate proteins. Stimulates ATPase activity of mt-HSP70. May also serve to modulate the interconversion of oligomeric (inactive) and monomeric (active) forms of mt-HSP70.,similarity:Belongs to the grpE family.,subunit:Probable component of the PAM complex at least composed of a mitochondrial HSP70 protein, GRPEL1 or GRPEL2, TIMM44, TIMM16/MAGMAS and TIMM14/DNAJC19.,

Validation Data



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

Contact information

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