

PERK Rabbit mAb (AR1144)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	125kD (Calculated) 140kD (Observed)

Recommended Dilution Ratios

WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal
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Immunogen Information

Specificity	Endogenous
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Target Information

Gene name	EIF2AK3 PERK
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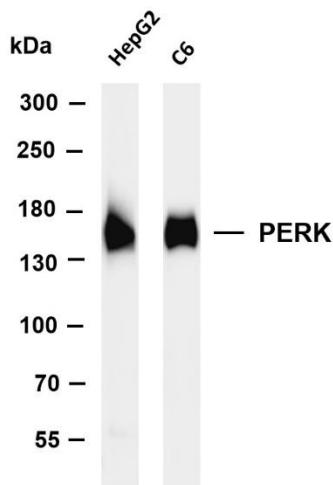
Protein Name	EIF2AK3
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Organism	Gene ID	UniProt ID
Human	9451	Q9NZJ5
Mouse		Q9Z2B5
Rat	29702	Q9Z1Z1

Cellular Localization	Endoplasmic reticulum membrane
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Tissue specificity	Ubiquitous. High level expression is seen in secretory tissues.
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Validation Data



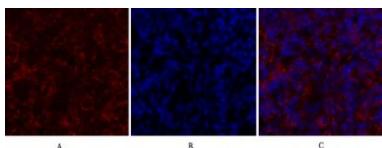
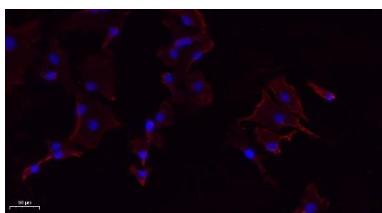
Various whole cell lysates were separated by 4-10% SDS-PAGE, and the membrane was blotted with anti-PERK antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: HepG2

Lane 2: C6

Predicted band size: 125kDa

Observed band size: 140kDa



Immunofluorescence analysis of A549.

1. primary Antibody(red) was diluted at 1:200(4°C overnight).
2. Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).
3. DAPI (blue) 10min.

Immunofluorescence analysis of rat-spleen tissue.

1. PERK Antibody(red) was diluted at 1:200(4°C, overnight).
2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).
3. DAPI (blue) 10min.

Picture A: Target. Picture B: DAPI. Picture C: merge of A+B

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