

PERK Rabbit mAb (AR1144)

Key Features

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

Recommended Dilution Ratios

WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

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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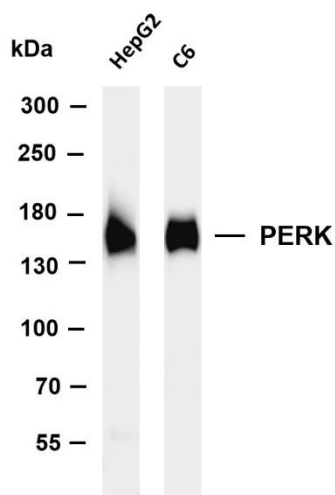
Target Information

Gene name	EIF2AK3 PERK
Protein Name	EIF2AK3

	Organism	Gene ID	UniProt ID
	Human	9451	Q9NZJ5
	Mouse		Q9Z2B5
	Rat	29702	Q9Z1Z1

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

Validation Data



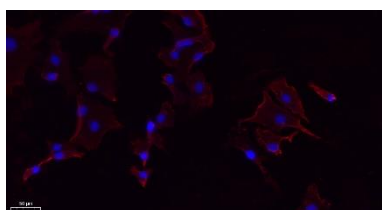
Various whole cell lysates were separated by 4-10% SDS-PAGE, and the membrane was blotted with anti-PERK antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

Lane 1: HepG2

Lane 2: C6

Predicted band size: 125kDa

Observed band size: 140kDa



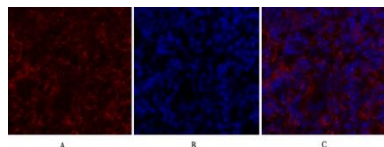
Immunofluorescence analysis of A549.

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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