

Product Datasheet

Phospho-PERK (Thr980) Rabbit Polyclonal Antibody (orb506147)

Catalog Number	orb506147
Category	Antibodies
Description	Phospho-PERK (Thr980) Rabbit Polyclonal Antibody
Target	EIF2AK3
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Canine, Porcine, Rabbit
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthesised phosphopeptide derived from mouse PERK around the phosphorylation site of Thr980 H(p-T)GQ
UniProt ID	Q9Z2B5

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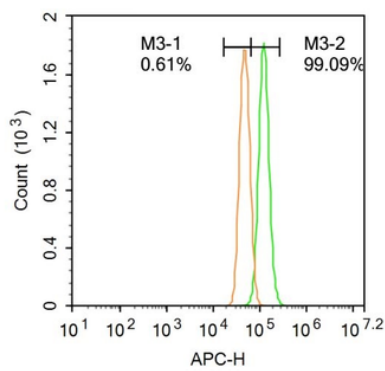
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MW	119 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=2ug/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (Black line): A431 (Black). Primary Antibody (green line): Rabbit Anti-PERK (Thr980) antibody (orb506147), dilution: 1 μ g/ 10^6 cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647, dilution: 1 μ g/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.

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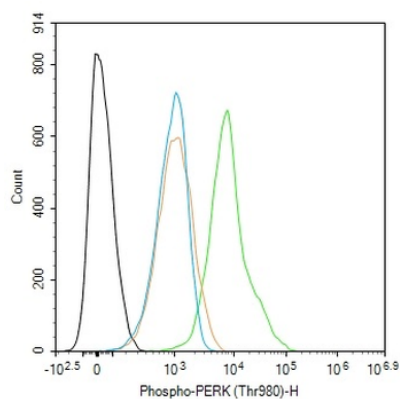
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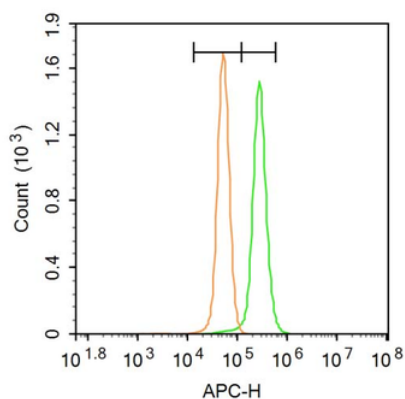
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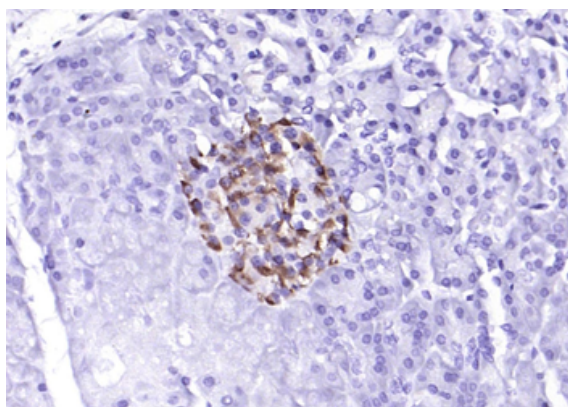
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Blank control (black line): HepG2. Primary Antibody (green line): Rabbit Anti-Phospho-PERK (Thr980) antibody (orb506147), dilution: 1 ug/Test, Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488, dilution: 0.5 ug/Test. Isotype control (orange line): Normal Rabbit IgG, Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Blank control: A431. Primary Antibody (green line): Rabbit Anti-PERK (Thr980) antibody (orb506147), dilution: 3 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647, dilution: 3 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (human pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-PERK (Thr980)) Polyclonal Antibody, Unconjugated (orb506147) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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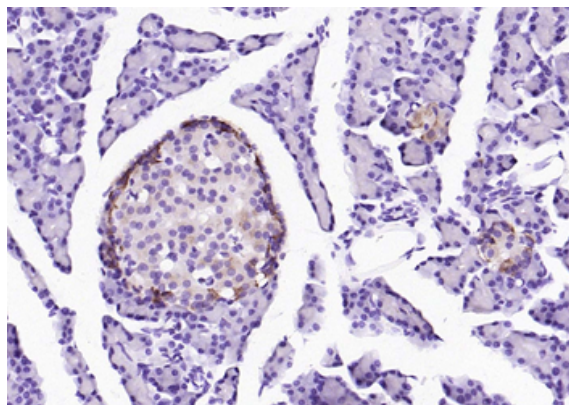
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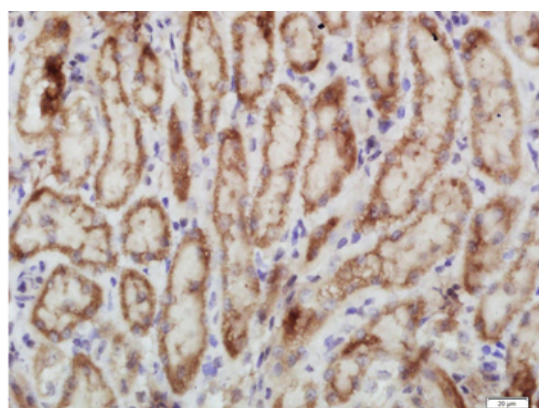
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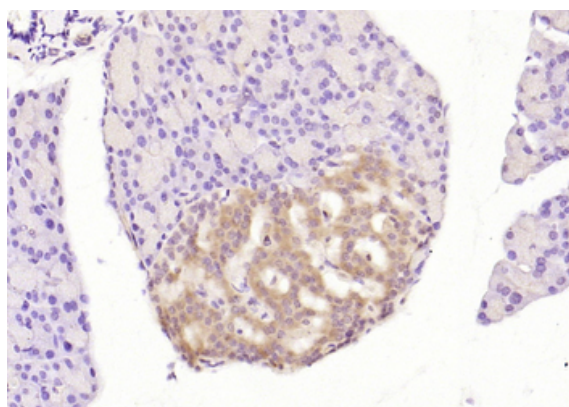
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Paraformaldehyde-fixed, paraffin embedded (mouse pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-PERK (Thr980)) Polyclonal Antibody, Unconjugated (orb506147) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-PERK (Thr980)) Polyclonal Antibody, Unconjugated (orb506147) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Phospho-PERK (Thr980)) Polyclonal Antibody, Unconjugated (orb506147) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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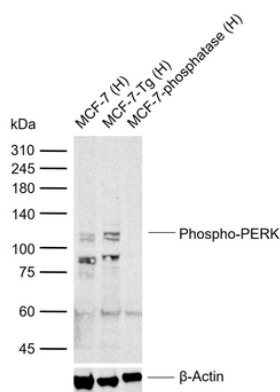
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Sample: Lane 1: Human MCF-7 cell lysates, Lane 2: Human MCF-7-Tg cell lysates, Lane 3: Human MCF-7-phosphatase cell lysates, Primary: Anti-Phospho-PERK (Thr980) (orb506147) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 119 kDa, Observed band size: 120 kDa.

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