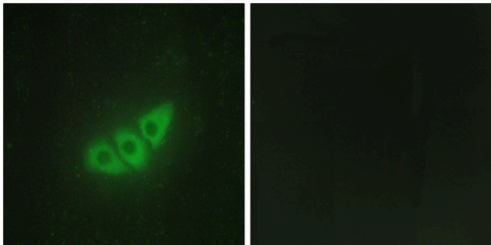


PERK Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from the internal region of human E2AK3
Form	Liquid
Concentration	1 mg/mL
Storage conditions	-20°C
RRID	AB_2555404

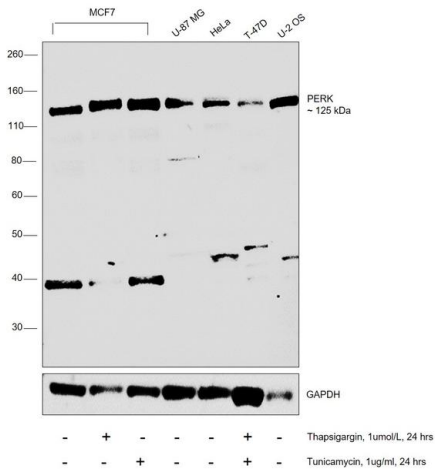
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:500	1 Publication

Product Images For PERK Polyclonal Antibody

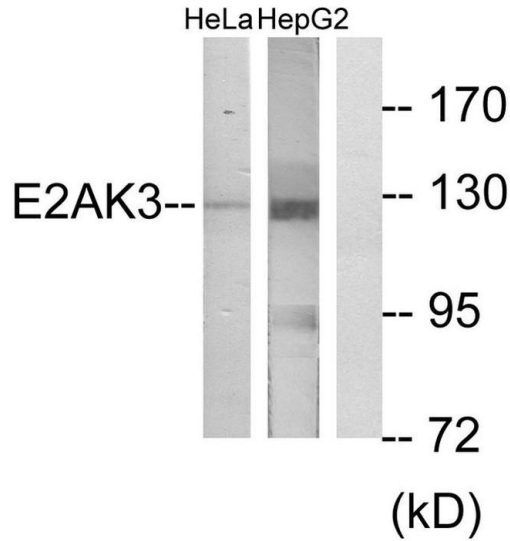


PERK Antibody (PA5-38811) in ICC/IF
Immunofluorescent analysis of EIF2AK3/PERK in HepG2 cells using an EIF2AK3 /PERK polyclonal antibody (Product # PA5-38811).

PERK Antibody (PA5-38811) in WB
Western blot was performed using Anti-PERK Polyclonal Antibody (Product # PA5-38811) and a band at ~125 kDa corresponding to PERK was observed in all the cell lines tested and was increased upon Thapsigargin and Tunicamycin treatment in MCF7. Few uncharacterized bands between 40-50 kDa were also observed across the samples tested. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1), MCF7 treated with Thapsigargin (1 µMol/L, 24hrs) (Lane 2), MCF7 treated with Tunicamycin (1 µg/mL, 24hrs), U-87 MG (Lane 4), HeLa (Lane 5), T-47D (Lane 6) and U-2 OS (Lane 7) were electrophoresed using Novex® NuPAGE® 4-12% % Bis-Tris gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



PERK Antibody (PA5-38811) in WB
Western blot analysis of EIF2AK3/PERK in extracts from HeLa cells and HepG2 cells using an EIF2AK3/PERK polyclonal antibody (Product # PA5-38811).



Immunocytochemistry (1)

Journal of the American Heart Association	Year 2018
Liraglutide Treatment Reduces Endothelial Endoplasmic Reticulum Stress and Insulin Resistance in Patients With Diabetes Mellitus.	Species Human
"PA5-38811 was used in Immunocytochemistry-immunoflourescence to determine wether endoplasmic reticulum stress contributes to vascular insulin resistance and endothelial dysfunction in patients with diabetes mellitus."	Dilution 1:100
Authors: Bretón-Romero R,Weisbrod RM,Feng B,Holbrook M,Ko D,Stathos MM,Zhang JY,Fetterman JL,Hamburg NM	

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