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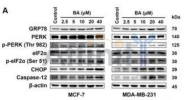
Phospho-PERK (Thr982) Ab

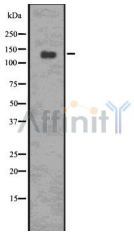
Cat.#: DF7576	Concn.: 1mg/ml	Mol.Wt.: 125 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application:	WB 1:1000-3000 IHC 1:50-1:200 IF 1:100-500 ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat
Purification:	Immunogen affinity purified.
Specificity:	p-PERK (Thr 982) Ab detects endogenous levels of total p-PERK (Thr 982).
Immunogen:	A synthesized peptide derived from human p-PERK (Thr 982).
Uniprot:	Q9NZJ5
Subcellular Location:	Endoplasmic reticulum membrane.
Tissue Specificity:	Ubiquitous. A high level expression is seen in secretory tissues.
Similarity:	The lumenal domain senses perturbations in protein folding in the ER, probably through reversible interaction with HSPA5/BIP.Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. GCN2 subfamily.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.

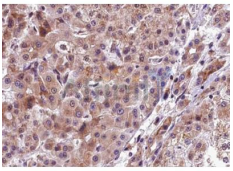


MCF-7 and MDA-MB-231 cells were treated with the indicated concentrations of BA for 24 h, and the protein levels of ER stress-associated signals were stimulated by BA in a dose-dependent manner, including GRP78, p-PERK/PERK, p-eIF2α/eIF2α, CHOP, and caspase-12.

This image is a courtesy of anonymous review.

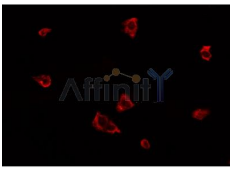


Western blot analysis of p-PERK (Thr 982) using 293 whole cell lysates



DF7576 at 1/100 staining human liver carcinoma tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

DF7576 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.



DF7576 staining A549 cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/200 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.