

Phospho-IRE1 alpha (Ser724) Polyclonal Antibody

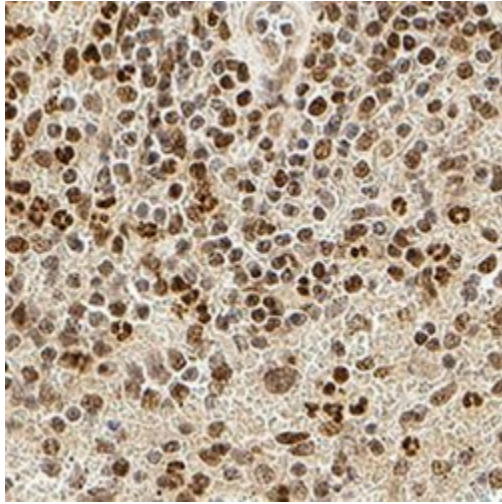
Product Details	
Size	100 µL
Species Reactivity	Fruit fly, Goat, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Rat, Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide surrounding the phosphorylated serine 724 of the human IRE1 alpha protein.[Swiss-Prot #O75460]
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.025% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2262241

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	Assay Dependent	-
ELISA (ELISA)	1:100-1:2000	-
Immunocytochemistry (ICC)	1:10-1:500	1 Publication
Immunofluorescence (IF)	1:10-1:500	-
Immunohistochemistry (Frozen) (IHC (F))	1:10-1:500	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:500	-
Immunoprecipitation (IP)	1:10-1:500	-
Western Blot (WB)	1:1000	24 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

Product Specific Information

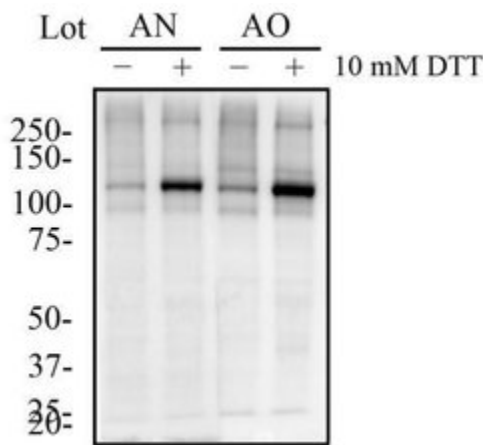
Recommended positive controls: Human pancreas whole tissue Lysate (adult whole tumor), Human epididymis whole tissue lysate (adult whole normal)

Product Images For Phospho-IRE1 alpha (Ser724) Polyclonal Antibody



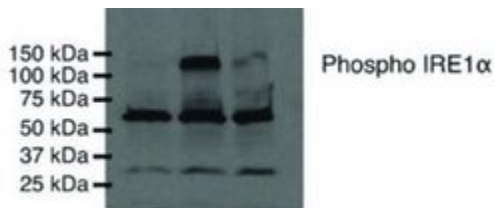
Phospho-IRE1 alpha (Ser724) Antibody (PA1-16927) in IHC (P)

Immunohistochemical analysis of IRE1 alpha (Ser724) in immersion-fixed paraffin-embedded sections of human spleen using a polyclonal anti-IRE1 S724 antibody (Product # PA1-16927) at 1:300 for 1 hour at room temperature, followed by incubation with an anti-Rabbit IgG HRP polymer antibody. Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to the perinuclear cytoplasm in splenocytes.



Phospho-IRE1 alpha (Ser724) Antibody (PA1-16927) in WB

Western blot analysis of IRE1 alpha (Ser724) in HeLa cells treated (+) or untreated (-) with 10mM DTT for 60 min to activate the UPR. Total protein was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% BSA in TBST. The membrane was probed with 2.0 µg/mL anti-IRE1 polyclonal antibody (Product # PA1-16927) in 5% BSA, followed by chemiluminescent detection using an anti-rabbit HRP secondary antibody.



Phospho-IRE1 alpha (Ser724) Antibody (PA1-16927) in WB

Western blot analysis of IRE1 alpha (Ser724) in COS-7 untransfected cells (Lane 1), COS-7 expressing wild-type IRE1 alpha cells (Lane 2) and COS-7 expressing kinase-dead IRE1 alpha (Lane 3) using anti-IRE1 polyclonal antibody (Product # PA1-16927).

[View more figures on thermofisher.com](https://www.thermofisher.com)

28 References

Western Blot (24)

Cell death and disease

Novel -phenylacrylic acid derivatives exert anti-cancer activity by inducing Src-mediated apoptosis in wild-type KRAS colon cancer.

"PA1-16927 was used in Western Blotting to show Src can play a key role in apoptosis induced by the novel EGFR inhibitor MHYs."

Authors: Kim SJ,Noh TH,Son S,Kim DH,Kim W,Lee Y,Choo J,Heo G,Kim MJ,Chung HY,Jung Y,Jung JH,Moon HR,Im E

Species
Human

Dilution
Not Cited

Year
2018

Aging cell

Comparative proteomic profiling reveals a role for Cisd2 in skeletal muscle aging.

"Published figure using Phospho-IRE1 alpha (Ser724) polyclonal antibody (Product # PA1-16927) in Western Blot"

Authors: Huang YL,Shen ZQ,Wu CY,Teng YC,Liao CC,Kao CH,Chen LK,Lin CH,Tsai TF

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more WB references on thermofisher.com](#)

Miscellaneous PubMed (3)

Journal of cellular and molecular medicine

Imiquimod-induced apoptosis of melanoma cells is mediated by ER stress-dependent Noxa induction and enhanced by NF-B inhibition.

"PA1-16927 was used in western blot to report the mechanism by which imiquimod induces apoptosis in melanoma cells"

Authors: El-Khattouti A,Selimovic D,Hannig M,Taylor EB,Abd Elmageed ZY,Hassan SY,Haikel Y,Kandil E,Leverkus M,Brodell RT,Megahed M,Hassan M

Species
Human
Not Applicable

Dilution
1:1000
Not Cited

Year
2016

Experimental and therapeutic medicine

Attenuation of oxygen fluctuation-induced endoplasmic reticulum stress in human lens epithelial cells.

"PA1-16927 was used in western blot to study oxygen-induced endoplasmic reticulum stress in the lens"

Authors: Zheng XY,Xu J,Chen XI,Li W,Wang TY

Species
Human

Dilution
1:500

Year
2015

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More applications with references on thermofisher.com

ICC (1)

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