

## IRE1 (Phospho-S724) Antibody

Catalog No: #13013



Package Size: #13013-1 50ul #13013-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

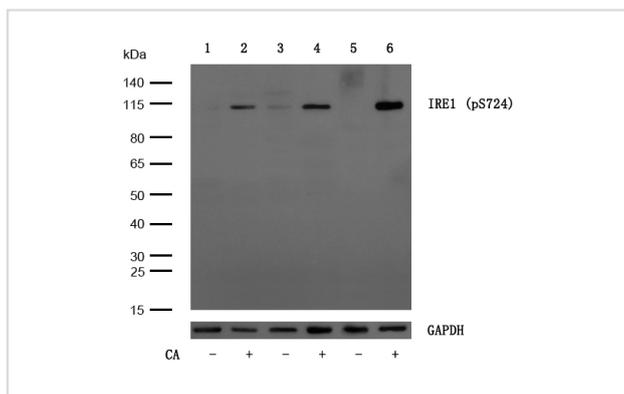
## Description

Product Name	IRE1 (Phospho-S724) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	affinity purified by Protein A
Applications	WB
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-IRE1 (Phospho-S724) Antibody detects endogenous levels of IRE1 only when phosphorylated at phospho S724
Immunogen Description	KLH conjugated synthesised phosphopeptide derived from human IRE1 around the phosphorylation site of Ser724
Conjugates	Unconjugated
Target Name	ERN1
Other Names	ERN1   IRE1 (phospho-S724); p-IRE1; phospho-IRE1; p-ERN1; ERN1   IRE1 (phospho-Ser724); IRE1-BETA; IRE1b; IRE2p; hIRE2p; Ern1; Ire1; mIre1; ERN1_HUMAN; Endoplasmic reticulum-to-nucleus signaling 1; Inositol-requiring protein 1 (hIRE1p); Ire1-alpha (IRE1a); ERN1_MOUSE; Inositol-requiring protein 1;
Accession No.	O75460
Calculated MW	110kDa
Concentration	1mg/ml
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Application Details

WB: 1:500-1:2000

## Images



All lanes : IRE1 (Phospho-S724) Antibody at 1/500 dilution  
 Lane 1 : NIH/3T3 whole cell lysates Lane 2 : NIH/3T3 treated with 100nM Calyculin A for 30 minutes whole cell lysates  
 Lane 3 : C2C12 whole cell lysates Lane 4 : C2C12 treated with 100nM Calyculin A for 30 minutes whole cell lysates Lane 5 : HeLa whole cell lysates Lane 6 : HeLa treated with 100nM Calyculin A for 30 minutes whole cell lysates Lysates/proteins at 20 µg per lane. Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution Predicted band size: 110 kDa Observed band size: 110 kDa Exposure time: 7 seconds

## Published Papers

el at., Quercetin Stimulates Mitochondrial Apoptosis Dependent on Activation of Endoplasmic Reticulum Stress in Hepatic Stellate Cells .In Pharm Biol. On 2016 Dec by Liwei He , Xianbang Hou et al..PMID:27572285

, , (2016)

[PMID:27572285](#)

el at., Suppressing endoplasmic reticulum stress-related autophagy attenuates retinal light injury. In Aging (Albany NY) on 2020 Aug 28 by Jing-Yao Song, Bin Fan,et al..PMID: 32858529, , (2020)

[PMID:32858529](#)

el at., Endoplasmic reticulum stress is involved in retinal injury induced by repeated transient spikes of intraocular pressure. In J Zhejiang Univ Sci B on 2021 Sept 15 by Xue Yang, Xiaowei Yu et al..PMID: 34514754, , (2021)

[PMID:34514754](#)

el at., Cereulide Exposure Caused Cytopathogenic Damages of Liver and Kidney in Mice. In Int J Mol Sci on 2021 Aug 24 by Danyang Li, Ruqin Lin,et al..PMID:34502057, , (2021)

[PMID:34502057](#)

el at., Didymn Ameliorates Liver Fibrosis by Alleviating Endoplasmic Reticulum Stress and Glycerophospholipid Metabolism: Based on Transcriptomics and Metabolomics. In Drug Des Devel Ther on 2022 Jun 7 by Yan Li, Cuiyu Li, et al..PMID:35698653, , (2022)

[PMID:35698653](#)

el at., Didymn Ameliorates Liver Fibrosis by Alleviating Endoplasmic Reticulum Stress and Glycerophospholipid Metabolism: Based on Transcriptomics and Metabolomics InDrug Des Devel TherOn2022 Jun 7byYan Li , Cuiyu Li et al..PMID:35698653, , (2023)

[PMID:35698653](#)

Lei Chen;Xia Zhao;Rui Sheng;Philip Lazarovici;Wenhua Zheng el at., Artemisinin alleviates astrocyte overactivation and neuroinflammation by modulating the IRE1/NF- $\kappa$ B signaling pathway in in vitro and in vivo Alzheimer's disease models., , (2025)

[PMID:39826816](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.