

Anti-P-IRE1(S724) Rabbit pAb



WL05299

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-IRE1(S724) Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	WB	1:1000-1:2000	
	IHC, IF	1:100-1:500	
Cellular localization	Endoplasmic reticulum membrane.		
Molecular Wt.	110 kDa		
Pack size	50/100/200/500/1000μl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	The accumulation of unfolded proteins within the endoplasmic reticulum (ER) of yeast and mammalian cells activates the unfolded protein response (UPR) pathway and leads to the transcription of ER-specific genes involved in protein folding. One of the players in UPR, IRE1, was first identified in <i>Saccharomyces cerevisiae</i> as a transmembrane serine/threonine kinase. Recently, IRE1α was shown to mediate the rapid degradation of certain mRNAs based on the ER-localization and primary sequences of their encoded proteins, suggesting a novel mechanism in UPR.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-IRE1(S724).
Purification	Polyclonal antibody was purified by Protein A affinity chromatography.

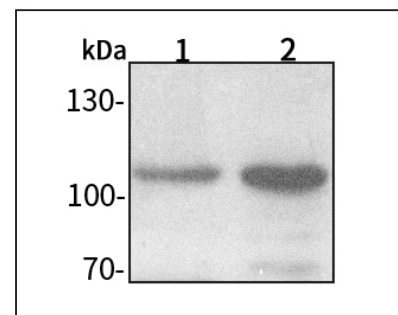
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Product Images



Western blot-Anti-P-IRE1(S724) pAb

Lane 1: Human Hela cell lysate 20μg

Lane 2: Human MCF-7 cell lysate 20μg

Separation gel: 8% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

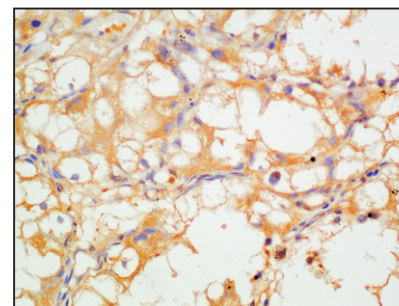
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1 × TBST, at RT with gentle shaking

Primary antibody: 1:1000 in blocking buffer, 4°C, overnight

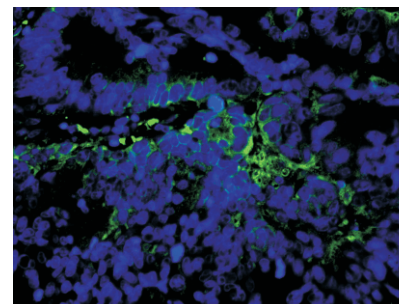
Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Detection: ECL, 30s-2min



Immunohistochemistry-Anti-P-IRE1(S724) pAb

Immunohistochemical analysis of paraffin-embedded human renal clear cell carcinoma using anti-P-IRE1(S724) Rabbit Antibody at 1:100 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-P-IRE1(S724) pAb

Immunofluorescence analysis of paraffin-embedded human colon cancer using anti-P-IRE1(S724) Rabbit Antibody at 1:100 dilution. Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

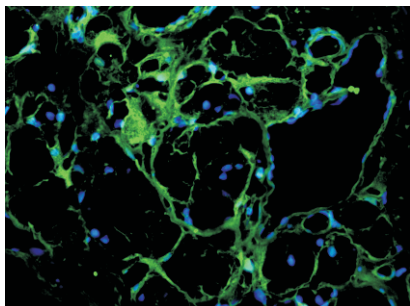
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Product Information



Immunofluorescence-Anti-P-IRE1(S724) pAb

Immunofluorescence analysis of paraffin-embedded human renal clear cell carcinoma using anti-P-IRE1(S724) Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0