

bs-16696R**[Primary Antibody]****IRE1 Rabbit pAb****Bioss**
ANTIBODIES

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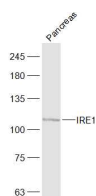
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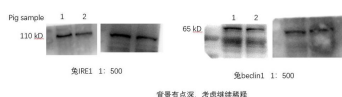
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DATASHEET

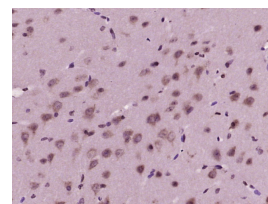
Host: Rabbit Clonality: Polyclonal GeneID: 10595 Target: IRE1 Immunogen: KLH conjugated synthetic peptide derived from human IRE1: 19-120/977. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: ERN2, endoplasmic reticulum to nucleus signaling 2, induces translational repression through 28S ribosomal RNA cleavage in response to ER stress. It is pro-apoptotic and appears to play no role in the unfolded-protein response, unlike closely related proteins.	Isotype: IgG SWISS: O75460	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Pig (predicted: Rat) Predicted MW.: 105 kDa Subcellular Location: Cell membrane ,Cytoplasm
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VALIDATION IMAGES

Sample: Pancreas (Mouse) Lysate at 40 ug
 Primary: Anti-IRE1 (bs-16696R) at 1/1000
 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 105 kD Observed band size: 105 kD



Sample: Pig Primary: Anti-IRE1 (bs-16696R) at 1/500 dilution



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IRE1) Polyclonal Antibody, Unconjugated (bs-16696R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=18.962]** Xue Li. et al. Dual regulation on oxidative stress and endoplasmic reticulum stress by [70] fullerenes for reversing insulin resistance in diabetes. NANO TODAY. 2022 Aug;45:101541 WB ;Mouse. 10.1016/j.nantod.2022.101541
- **[IF=4.784]** Wang L et al. Radioprotective effect of Hohenbuehelia serotina polysaccharides through mediation of ER apoptosis pathway in vivo. Int J Biol Macromol. 2019 Apr 15;127:18-26. IHC ;Mouse. 30605745
- **[IF=5.391]** Yang P et al. Loss of CD36 impairs hepatic insulin signaling by enhancing the interaction of PTP1B with IR. FASEB J. 2020 Apr;34(4):5658-5672. WB ;mouse. 32100381
- **[IF=4.268]** Chunli Wang. et al. Safflower yellow alleviates osteoarthritis and prevents inflammation by inhibiting PGE2 release and regulating NF-κB/SIRT1/AMPK signaling pathways. Phytomedicine. 2020 Nov;78:153305 WB ;Rat. 32871523
- **[IF=3.219]** Yuting Li. et al. Evodiamine suppresses the progression of non-small cell lung carcinoma via endoplasmic

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reticulum stress-mediated apoptosis pathway in vivo and in vitro.. INT J IMMUNOPATH PH. Int J Immunopath Ph. 2022;():
WB ;Human,Mouse. 35388733