

# Product Datasheet

## **XBP1 Antibody** **NBP2-20917**

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### **Publications: 5**

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Updated 10/23/2024 v.20.1

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**NBP2-20917**

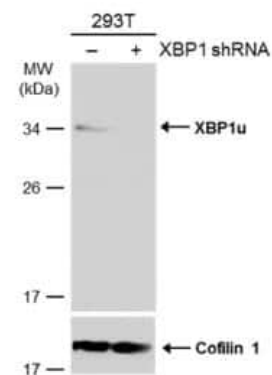
XBP1 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA
Target Molecular Weight	29 kDa
Product Description	
Host	Rabbit
Gene ID	7494
Gene Symbol	XBP1
Species	Human, Mouse
Reactivity Notes	Porcine reactivity reported in scientific literature (PMID: 30877450). Bovine (88%), Rat (85%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human XBP1. The exact sequence is proprietary.
Product Application Details	
Applications	Western Blot, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:3000, Knockout Validated, Knockdown Validated

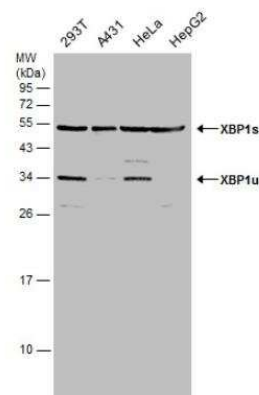


## Images

Western Blot: XBP1 Antibody [NBP2-20917] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with XBP1 antibody diluted at 1:2000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody



Western Blot: XBP1 Antibody [NBP2-20917] - Various whole cell extracts (30 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with XBP1 antibody [N1C3] diluted at 1:1000.



## Publications

Varghese D, Oommen D, John A, Ali B GRP78/BiP alleviates oxLDL-induced hepatotoxicity in familial hypercholesterolemia caused by missense variants of LDLR Research Square 2023-02-24 [PMID: 37248472] (WB, Human)

Madhamanchi K, Madhamanchi P, Jayalakshmi S et al. Endoplasmic reticulum stress and unfolded protein accumulation correlate to seizure recurrence in focal cortical dysplasia patients Cell stress & chaperones 2022-10-18 [PMID: 36258150]

Diaz-Bulnes P, Saiz ML, Corte-Iglesias V et al. Demethylation of H3K9 and H3K27 Contributes to the Tubular Renal Damage Triggered by Endoplasmic Reticulum Stress Antioxidants (Basel, Switzerland) 2022-07-12 [PMID: 35883846]

Gao P, Chai Y, Song J et al. Reprogramming the unfolded protein response for replication by porcine reproductive and respiratory syndrome virus PLoS Pathog. 2019-11-18 [PMID: 31738790]

Ouyang Y, Xu L, Lv J et al. Porcine circovirus type 2 ORF5 protein induces endoplasmic reticulum stress and unfolded protein response in porcine alveolar macrophages Arch. Virol. 2019-03-15 [PMID: 30877450] (WB, Porcine)



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### **Products Related to NBP2-20917**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-77253PEP	XBP1 Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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