

# Product Datasheet

## ATF4 Antibody - BSA Free NBP2-15499

Unit Size: 0.1 ml

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

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**NBP2-15499**

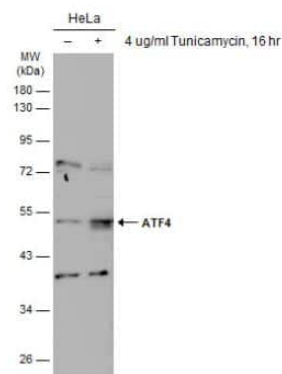
ATF4 Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	39 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	468
<b>Gene Symbol</b>	ATF4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Pig (89%), Sheep (86%), Bovine (86%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human ATF4. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000



## Images

Western Blot: ATF4 Antibody [NBP2-15499] - Untreated (-) and treated (+) HeLa whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with ATF4 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Immunocytochemistry/Immunofluorescence: ATF4 Antibody [NBP2-15499] - HeLa cells mock (left) and treated with 2 ug/ml Tunicamycin for 8hrs (right) were fixed in 4% paraformaldehyde at RT for 15 min. Green: ATF4 protein stained by ATF4 antibody diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar = 10 um.



## Publications

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]

Oh RS, Pan WC, Yalcin A et al. Functional RNA interference (RNAi) screen identifies system A neutral amino acid transporter 2 (SNAT2) as a mediator of arsenic-induced endoplasmic reticulum stress. J Biol Chem 2012-02-01 [PMID: 22215663]



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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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