ATF6 polyclonal antibody

Disruptions of protein folding and maturation in the endoplasmic reticulum (ER) result in the activation of the unfolded protein response (UPR), an integrated cellular signaling pathway that transmits information from the ER lumen to the cytoplasm and nucleus. Activating transcription factor 6 (ATF6) as well as the ER-transmembrane protein kinases IRE1p and PERK are the major transducers of the UPR. ATF6 is an ER transmembrane protein that is normally bound to the ER chaperone Grp78, but upon ER stress is released from Grp78 and proteolytically cleaved to yield a cytosolic fragment which then migrates to the nucleus. Nuclear ATF6, together with the transcription factor XBP-1, activates transcription of UPR-responsive genes.

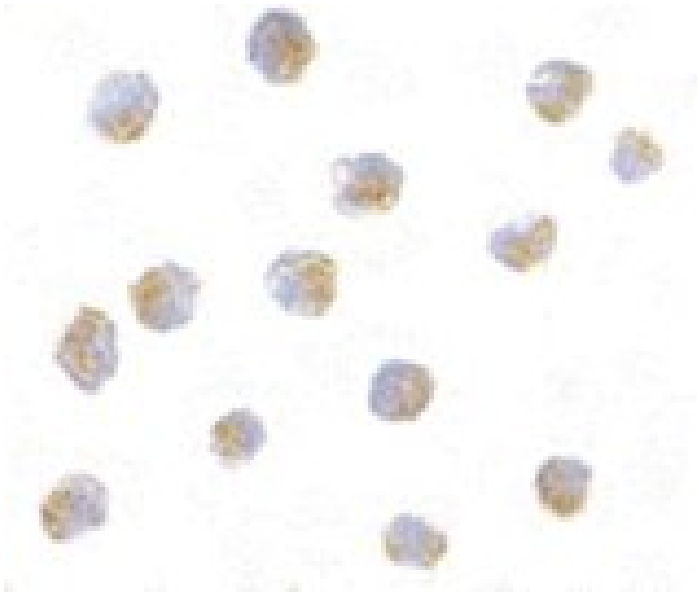
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Citations: 2 View Online »

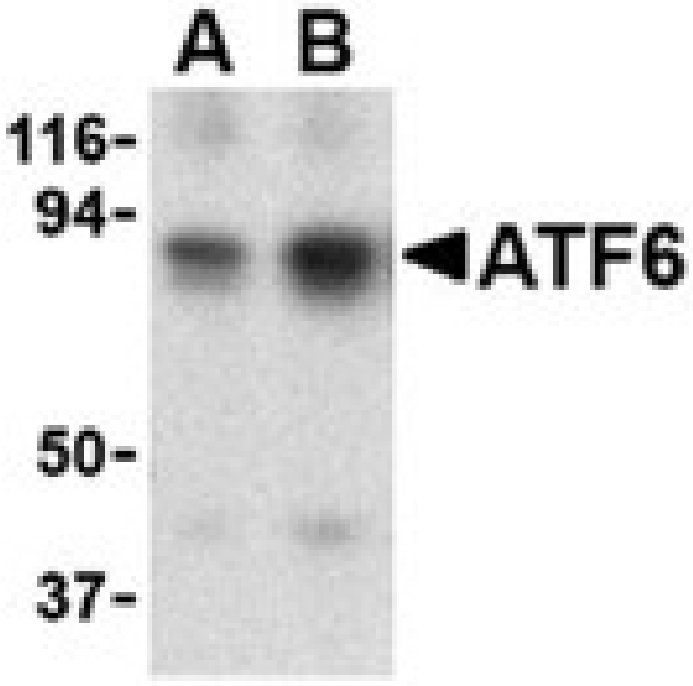
Ordering Information Order Online »

ADI-905-729-100	100µg

Manuals, SDS & CofA View Online »



Immunocytochemistry analysis of ATF6 in A20 with ATF6 antibody at 10µg/ml.



Western blot analysis of ATF6 in MDA-MB-361 cell lysate with ATF6 antibody at (A) 0.5 and (B) 1µg/ml.

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Activating transcription factor 6
Application	ICC, WB
Application Notes	Detects a band of ~88kDa by Western blot.
Formulation	Liquid. In PBS containing 0.02% sodium azide.
Host	Rabbit
Immunogen	Synthetic peptide corresponding to the sequence near the N-terminus of human ATF6.
Purity Detail	Peptide affinity purified.
Recommendation Dilutions/Conditions	Immunocytochemistry (10µg/ml)Western Blot (0.5-1.0µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human, Mouse
UniProt ID	P18850
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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