

## ATF6 Antibody (YA604)

Cat. No.:	HY-P80554
Synonyms:	ATF6 Antibody (YA604) is a non-conjugated and Rabbit originated monoclonal antibody about 75 kDa, targeting to ATF6. It can be used for WB,IHC-P,IP assays with tag free, in the background of Human.
Host:	Rabbit
Reactivity:	Human
Conjugation:	Non-conjugated
SwissProt ID:	P18850
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 75 kDa

### PROPERTIES

Formulation	Supplied in 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol and 0.05% BSA. Preservative: 0.01% Sodium azide	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IHC	1:50-1:100
	IP	1:20
Shipping	Shipping with blue ice.	

### DESCRIPTION

Background	<p>ATF6: This gene encodes a transcription factor that activates target genes for the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Although it is a transcription factor, this protein is unusual in that it is synthesized as a transmembrane protein that is embedded in the ER. It functions as an ER stress sensor/transducer, and following ER stress-induced proteolysis, it functions as a nuclear transcription factor via a cis-acting ER stress response element (ERSE) that is present in the promoters of genes encoding ER chaperones. This protein has been identified as a survival factor for quiescent but not proliferative squamous carcinoma cells. There have been conflicting reports about the association of polymorphisms in this gene with diabetes in different populations, but another polymorphism has been associated with increased plasma cholesterol levels. This gene is also thought to be a potential therapeutic target for cystic fibrosis. [provided by RefSeq, Aug 2011]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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