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anti-ATF6 antibody (AA 301-400)

Images

Publications



Overview

Quantity:	100 μL
Target:	ATF6
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ATF6
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target: ATF6

Target Details

Alternative Name:	Atf6 (ATF6 Products)
Background:	Synonyms: ATF6A, Cyclic AMP-dependent transcription factor ATF-6 alpha, cAMP-dependent
	transcription factor ATF-6 alpha, Activating transcription factor 6 alpha, ATF6-alpha, ATF6
	Background: Transcription factor that acts during endoplasmic reticulum stress by activating
	unfolded protein response target genes. Binds DNA on the 5'-CCAC[GA]-3'half of the ER stress
	response element (ERSE) (5'-CCAAT-N(9)-CCAC[GA]-3') and of ERSE II (5'-ATTGG-N-CCACG-3')
	Binding to ERSE requires binding of NF-Y to ERSE. Could also be involved in activation of
	transcription by the serum response factor.
Gene ID:	22926
UniProt:	P18850
Pathways:	ER-Nucleus Signaling, Unfolded Protein Response
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

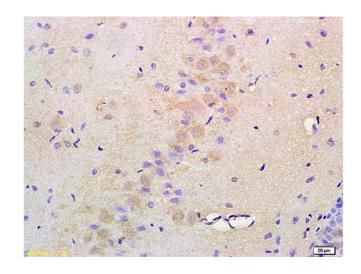
Publications

Product cited in:

Li, Qiu, Liu, Wang, Hu, Gan, Wang: "Long-term thermal manipulation in the late incubation period can inhibit breast muscle development by activating endoplasmic reticulum stress in duck (Anasplatyrhynchos domestica)." in: **Journal of thermal biology**, Vol. 70, Issue Pt B, pp. 37-45, (2017) (PubMed).

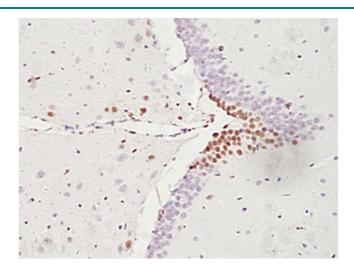
Jiang, Ren, Jiang, Wang, Zhang, Yin, Wang, Qi, Wang, Feng: "Guanabenz delays the onset of disease symptoms, extends lifespan, improves motor performance and attenuates motor neuron loss in the SOD1 G93A mouse model of amyotrophic lateral sclerosis." in: **Neuroscience**, Vol. 277, pp. 132-8, (2014) (PubMed).

Images



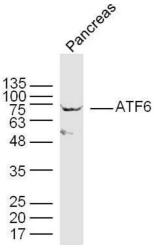
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-ATF6 Polyclonal Antibody, Unconjugated (ABIN732293) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat brain labeled with Anti-ATF6 Polyclonal Antibody, unconjugated (ABIN732293) followed by incubation with conjugated secondary antibody and DAB staining



Western Blotting

Image 3. Mouse pancreas lysates probed with ATF6 Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.