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anti-AFT7 antibody (N-Term)

3 Images



Publication



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Overview	
Quantity:	400 μL
Target:	AFT7
Binding Specificity:	AA 68-96, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AFT7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	
Immunogen:	This ATF7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of human ATF7.
Clone:	RB21430
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	AFT7
Alternative Name:	ATF7 (AFT7 Products)
Background:	The cyclic AMP-dependent transcription factor ATF7 is a member of the bZIP family of proteins

Target Details

	and is known to bind to the cAMP response element (CRE) as a homodimer.
Molecular Weight:	51757
NCBI Accession:	NP_001123532, NP_001193611, NP_001193612, NP_006847
UniProt:	P17544

Application Details

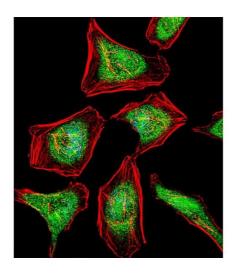
Application Notes:	IF: 1:10~50. WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

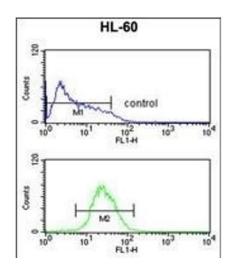
Handling

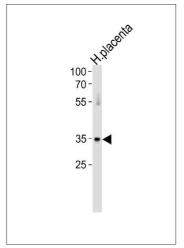
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Maeda, Inoguchi, Takei, Sawada, Sasaki, Fujii, Kobayashi, Urata, Nishiyama, Takayanagi: "
	Inhibition of chymase protects against diabetes-induced oxidative stress and renal dysfunction
	in hamsters." in: American journal of physiology. Renal physiology, Vol. 299, Issue 6, pp.
	F1328-38, (2010) (PubMed).







Immunofluorescence

Image 1. Fluorescent confocal image of Hela cell stained with ATF7 Antibody (N-term) (ABIN1881079 and ABIN2842518). Hela cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with ATF7 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DI (blue) (10 μg/mL, 10 min). ATF7 immunoreactivity is localized to Nucleus and Cytoplasm significantly.

Flow Cytometry

Image 2. ATF7 Antibody (N-term) (ABIN1881079 and ABIN2842518) flow cytometric analysis of HL-60 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 3. ATF7 Antibody (N-term) (ABIN1881079 and ABIN2842518) western blot analysis in huamn placenta tissue lysates ($35 \, \mu g/lane$). This demonstrates the ATF7 antibody detected the ATF7 protein (arrow).