antibodies - online.com







anti-ATF4 antibody (AA 220-252)



Images



()	11	\sim	rv		۱ ۸
	1 \ /	⊢	I \/	╙	1/1

Alternative Name:

Background:

Quantity:	400 μL	
Target:	ATF4	
Binding Specificity:	AA 220-252	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This ATF4 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This ATF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 220-252 amino acids from human ATF4.	
Clone:	RB10931	
Isotype:	Ig Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	ATF4	

ATF4 is a transcription factor that was originally identified as a widely expressed mammalian

ATF4 (ATF4 Products)

DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). ATF4 belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain.

Gene ID: 468

UniProt: Q96AQ3

Pathways: Thyroid Hormone Synthesis, Myometrial Relaxation and Contraction, ER-Nucleus Signaling,

Unfolded Protein Response

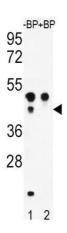
Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

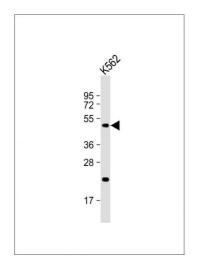
Handling

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	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



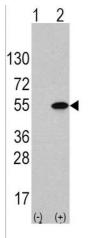
Western Blotting

Image 1. Western blot analysis of ATF4 Antibody Pab (ABIN390250 and ABIN2850543) pre-incubated without(lane 1) and with(lane 2) blocking peptide in WiDr cell line lysate. ATF4 Antibody (p) (arrow) was detected using the purified Pab.



Western Blotting

Image 2. Anti-ATF4 Antibody at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Western blot analysis of ATF4 (arrow) using rabbit anti-ATF4 Antibody (ABIN390250 and ABIN2850543). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the ATF4 gene (Lane 2) (Origene Technologies).