



ATF-2 (phospho Thr71) Polyclonal Antibody

Cat #: ABP50268

Size: 30µl /100µl /200µl

Product Information

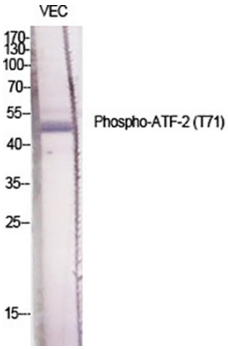
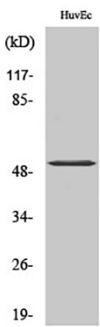
	Product Name: ATF-2 (phospho Thr71) Polyclonal Antibody		
	Applications: WB, IHC-P, IP, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP50268	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: ATF2 encodes a transcription factor (activating transcription factor 2) that is a member of the leucine zipper family of DNA binding proteins. Activating transcription factor 2 has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Activating transcription factor 2 binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Activating transcription factor 2 may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this ATF2.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IP (2-5 ug/mg lysate), ELISA (1:20000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

	<p>Fig.1. Western Blot analysis of various cells using Phospho-ATF-2 (T71) Polyclonal Antibody diluted at 1:1000.</p>
	<p>Fig.2. Western Blot analysis of HuvEc cells using Phospho-ATF-2 (T71) Polyclonal Antibody diluted at 1:1000.</p>

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