

ATF-2 (phospho Ser112) Polyclonal Antibody

Cat #: ABP50266

Size: 30µl /100µl /200µl

Product Information

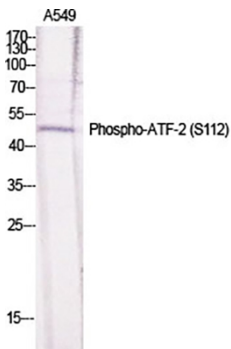
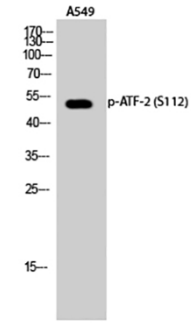
	Product Name: ATF-2 (phospho Ser112) Polyclonal Antibody		
	Applications: WB, IHC-P, IP, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP50266	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated 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.

	Fig.1. Western Blot analysis of various cells using Phospho-ATF-2 (S112) Polyclonal Antibody diluted at 1:500.
	Fig.2. Western Blot analysis of A549 cells using Phospho-ATF-2 (S112) Polyclonal Antibody diluted at 1:500.

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