

## Product datasheet for **AP01531PU-M**

### ATF2 pThr71/53 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200. <b>Immunoprecipitation:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	p-ATF2 (pThr71/53) antibody detects endogenous levels of p-ATF2 protein.
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	activating transcription factor 2
Database Link:	<a href="#">Entrez Gene 1386 Human P15336</a>



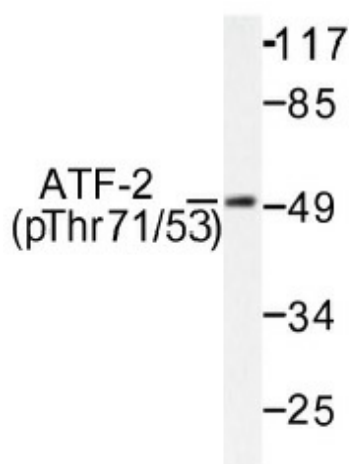
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**Background:**

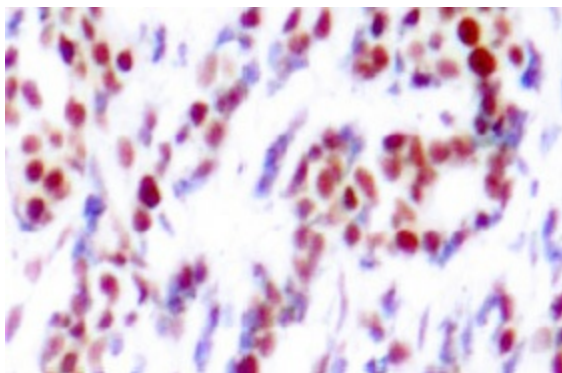
Eukaryotic gene transcription is regulated by sequence-specific transcription factors which bind modular CIS acting promotor and enhancer elements. The cAMP response element (CRE), one of the best studied of such elements, consists of the palindromic octanucleotide TGACGTCA. Several CRE binding proteins have been identified within the ATF/CREB family, the best characterized of which include CREB-1, CREB-2 (also designated ATF-4), ATF-1, ATF-2 and ATF-3. These proteins share highly related COOH terminal leucine zipper dimerization and basic DNA binding domains but are highly divergent in their amino terminal domains. Although each of the ATF/CREB proteins appear capable of binding CRE in its homodimeric form, certain of these also bind as heterodimers, both within the ATF/CREB family and even with members of the AP-1 transcription factor family.

**Synonyms:**

ATF-2, CREB2, CREBP1, Activating transcription factor 2, CRE-BP1, HB16, CREB-2

**Product images:**


Western blot (WB) analysis of p-ATF2 (pThr71/53) antibody (Cat.-No.: [AP01531PU-N]) in extracts from HeLa cells treated with UV.



Immunohistochemistry (IHC) analyzes of p-ATF2 (pThr71/53) antibody (Cat.-No.: [AP01531PU-N]) in paraffin-embedded human breast carcinoma tissue