



## ATF-2 (Ab-71or53) Antibody

#21031

**Catalog Number:** 21031-1, 21031-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P15336

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized non-phosphopeptide derived from human ATF-2 around the phosphorylation site of threonine 71 or 53 (T-P-T<sub>P</sub>-P-T).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

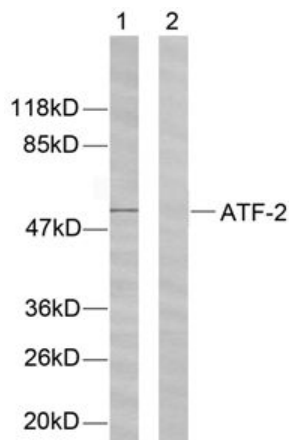
**Specificity/Sensitivity:** ATF-2 (Ab-71 or 53) antibody detects endogenous levels of total ATF-2 protein.

**Reactivity:** Human, Mouse, Rat

**Applications:**

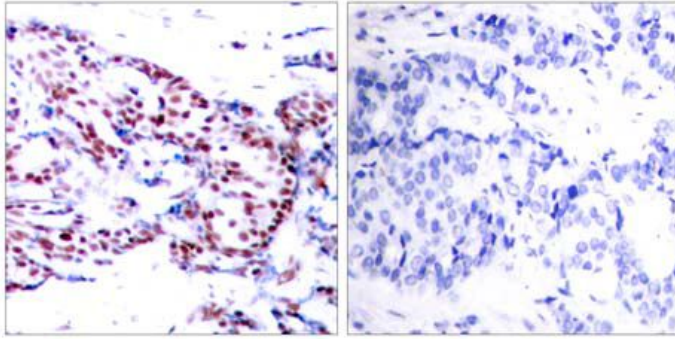
Predicted MW: 65-75 kd

WB: 1:500~1:1000 IHC:1:50~1:100 IF:1:100~1:200



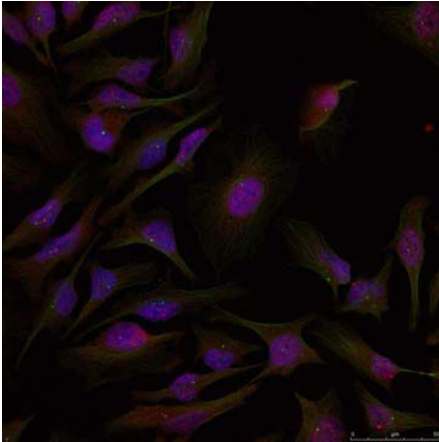
Peptide - +

Western blot analysis of extracts from HeLa cells using ATF-2 (Ab-71 or 53) antibody (#21031).



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF-2 (Ab-71 or 53) antibody (#21031).



Immunofluorescence staining of methanol-fixed HeLa cells using ATF-2 (Ab-71 or 53) antibody (#21031,Red)

#### **Background :**

Transcriptional activator, probably constitutive, which binds to the cAMP-responsive element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Interaction with JUN redirects JUN to bind to CREs preferentially over the 12-O-tetradecanoylphorbol-13-acetate response elements (TREs) as part of an ATF2-c-Jun complex.

#### **References:**

- Sevilla A, et al. (2004) J Biol Chem. 279(26):27458-27465.
- Sakurai A, et al. (1991) Biochem Biophys Res Commun. 181(2): 629-635.
- Abdel-Hafiz H A, et al. (1992) Mol Endocrinol. 6: 2079-2089.
- Gupta S, et al. (1995) Science. 267: 389-393.
- Van Dam H, et al. (1995) EMBO J. 14(8): 1798-1811.