



ATF-2 (Phospho-Thr71or53) Antibody

#11031

Catalog Number: 11031-1, 11031-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P15336

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), 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 phosphopeptide derived from human ATF-2 around the phosphorylation site of threonine 71 or 53 (T-P-T^P-P-T).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

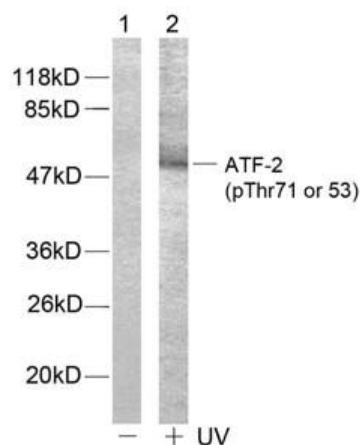
Specificity/Sensitivity: ATF-2 (phospho-Thr71 or 53) antibody detects endogenous levels of ATF-2 only when phosphorylated at threonine 71 or 53

Reactivity: Human, Mouse, Rat

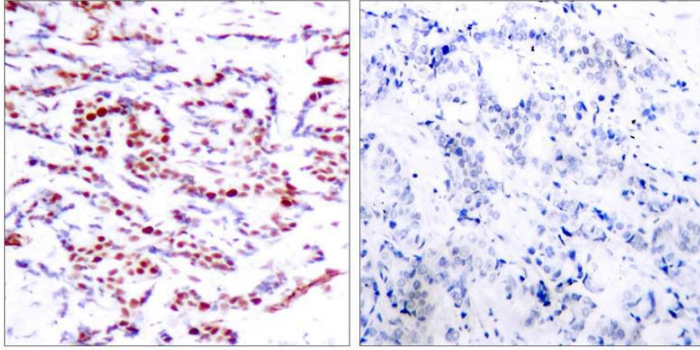
Applications:

Predicted MW: 65-75 kd

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



Western blot analysis of extract from HeLa cells, using ATF-2 (phospho-Thr71 or 53) antibody (#11031).



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF-2 (phospho-Thr71 or 513 antibody (#11031)).

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.
- Waetzig G H, et al. (2002) J Immunol. 168(10): 5342-5351.
- 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.