



ATF-2 (Phospho-Thr69or51) Antibody

#11030

Catalog Number: 11030-1, 11030-2

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 69 or 51 (D-Q-Tp-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.

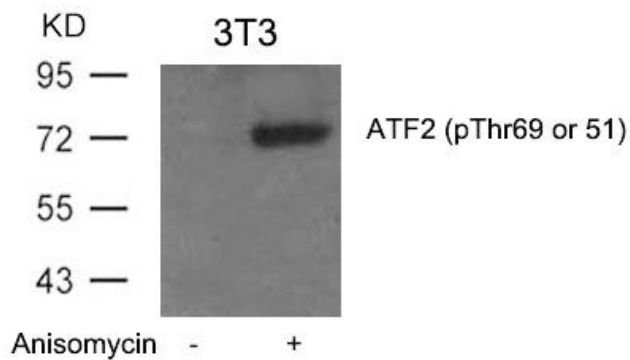
Specificity/Sensitivity: ATF-2 (phospho-Thr69 or 51) antibody detects endogenous levels of ATF-2 only when phosphorylated at threonine 69 or 51

Reactivity: Human, Mouse, Rat

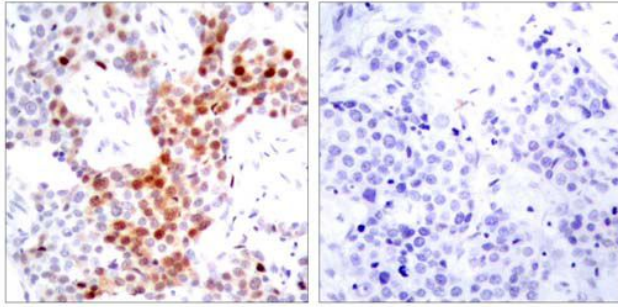
Applications:

Predicted MW: 65-75 kd

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

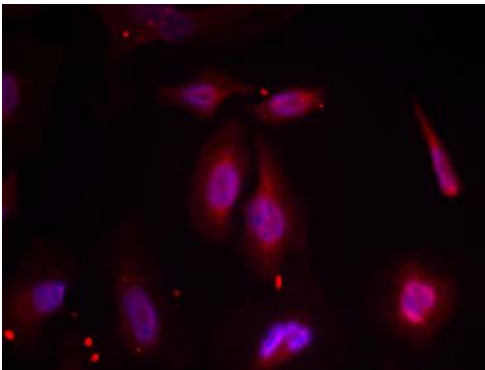


Western blot analysis of extracts from 3T3 cells untreated or treated with Anisomycin using ATF2(Phospho-Thr69 or 51) Antibody #11030.



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF-2 (phospho-Thr69 or 51) antibody (#11030).



Immunofluorescence staining of methanol-fixed HeLa cells using ATF-2 (phospho-Thr69 or 51) antibody (#11030,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.
- Alsayed Y, et al. (2001) J Biol Chem. 276(6): 4012-4019.
- Abdel-Hafiz H A, et al. (1992) Mol Endocrinol. 6: 2079-2089.
- Gupta S, et al. (1995) Science. 267: 389-393.