



ATF-2 (Ab-62or44) Antibody

#21029

Catalog Number: 21029-1, 21029-2

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 non-phosphopeptide derived from human ATF-2 around the phosphorylation site of serine 62 or 44 (N-D-S_P-V-I).

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

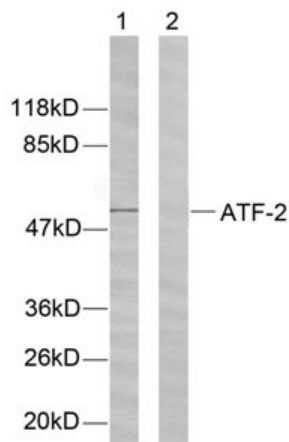
Specificity/Sensitivity: ATF-2 (Ab-62 or 44) antibody detects endogenous levels of total ATF-2 protein.

Reactivity: Human, Mouse, Rat

Applications:

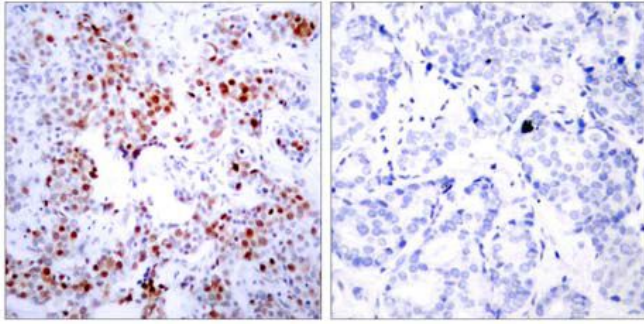
Predicted MW: 65-75 kd

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



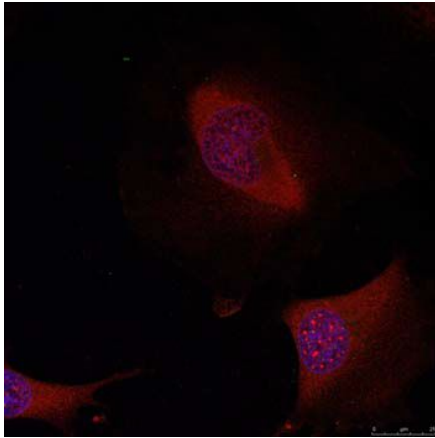
Peptide - +

Western blot analysis of extracts from HeLa cells using ATF-2 (Ab-62 or 44) antibody (#21029).



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF-2 (Ab-62 or 44) antibody (#21029).



Immunofluorescence staining of methanol-fixed HeLa cells using ATF-2 (Ab-62 or 44) antibody (#21029,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.