

## Anti-ATF2 (phospho-T71) Antibody

Catalog Number: A00916T71

### About ATF2

Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2. Isoform 1, but not isoform 2, causes cell shrinkage and disruption of actin stress fibers. Isoform 1 may have role in neoplastic cell transformation and cancer development. Isoform 1, but not isoform 2, phosphorylates histone H3 at 'Ser-28'.

Gotoh I., J. Biol. Chem. 276:4276-4286(2001).

Bloem L.J., J. Mol. Cell. Cardiol. 33:1739-1750(2001).

Gross E.A., J. Biol. Chem. 277:13873-13882(2002).

### Overview

Product Name	Anti-ATF2 (phospho-T71) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ATF2 (phospho-T71) Antibody catalog # A00916T71. Tested in WB,IHC,IP applications. This antibody reacts with Human,Mouse,Rat.
Application	IP, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P15336

### Technical Details

Immunogen	Synthesized peptide derived from human ATF-2 around the phosphorylation site of T69.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p> <p>IHC: 1:50-1:200</p> <p>IP: 1:50-1:200</p>

## Anti-ATF2 (phospho-T71) Antibody (A00916T71) Images

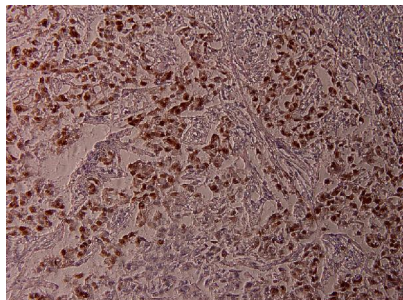


Figure 1. Immunohistochemistry validation of ATF2 using Anti-ATF2 (phospho-T71) Antibody (A00916T71).

Immunohistochemistry (IHC) analyzes of p-ATF2 (T71) pAb in paraffin-embedded human breast carcinoma tissue at 1:100. For more protocol information of IHC

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