Data Sheet (Cat.No.TMAC-00310)

Anti-Phospho-ATF2 (Thr71 or 53) Polyclonal Antibody

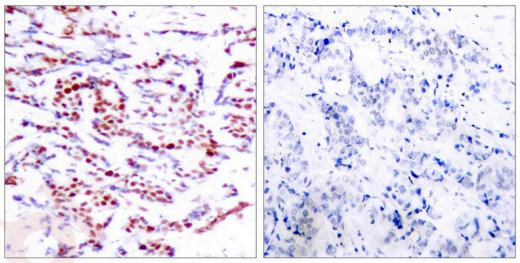
Product Details

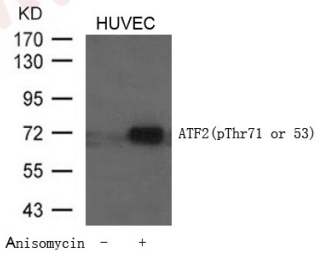
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF2 (Phospho-Thr71 or 53) Antibody TMAC-00310 (left) or the same antibody preincubated with blocking peptide (right).
2. Western blot analysis of extracts from HUVEC cells untreated or treated with Anisomycin using ATF2 (Phospho-Thr71 or 53) Antibody TMAC-00310.





Application: IHC,WB

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 71 or 53 (T-P-T(p)-P-T) derived from Human ATF2
Antigen Species:	Human
Uniprot ID:	P15336
Synonyms:	p-ATF2 (T71 or 53);ATF2 (p-Thr71 or 53);p-ATF2 (Thr71 or 53);ATF2 (p-T71 or 53)

Research 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481