

ATF2(Phospho-Thr71 or 53) Antibody

Catalog No: #11031

Package Size: #11031-1 50ul #11031-2 100ul #11031-4 25ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | ATF2(Phospho-Thr71 or 53) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| 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 chromatography using non-phosphopeptide. |
| Applications | WB IHC |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of ATF-2 only when phosphorylated at threonine 71 or 53. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of threonine 71 or 53 (T-P-T(p)-P-T) derived from Human ATF2. |
| Target Name | ATF2 |
| Modification | Phospho-Thr71 or 53 |
| Other Names | CREB2; CREBP1; |
| Accession No. | Swiss-Prot: P15336NCBI Protein: NP_001871.2 |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

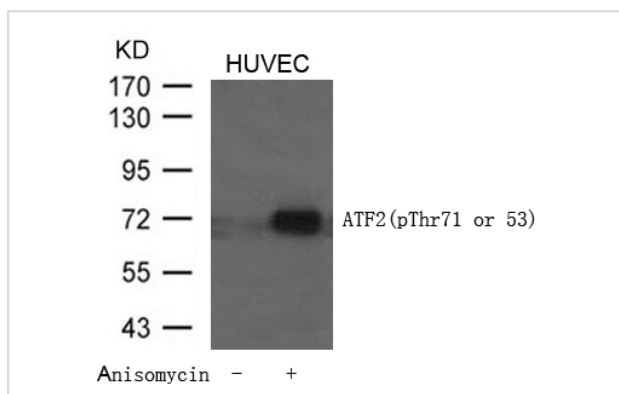
Application Details

Predicted MW: 65-75 kd

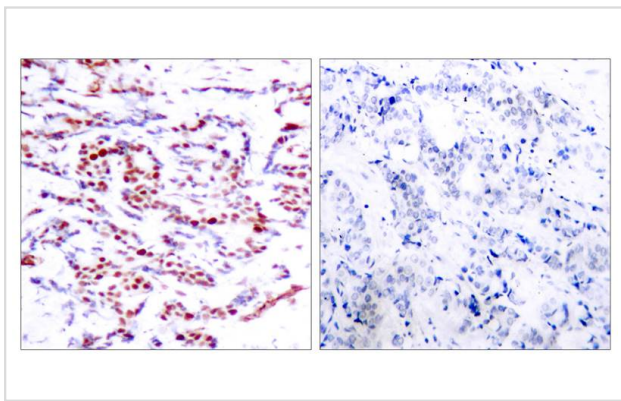
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HUVEC cells untreated or treated with Anisomycin using ATF2 (Phospho-Thr71 or 53) Antibody #11031.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF2(Phospho-Thr71 or 53) Antibody #11031(left) or the same antibody preincubated with blocking peptide(right).

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.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.