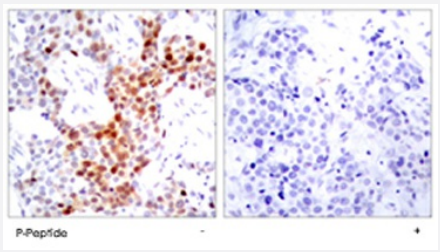
ATF2 (phospho T51/T69) polyclonal antibody

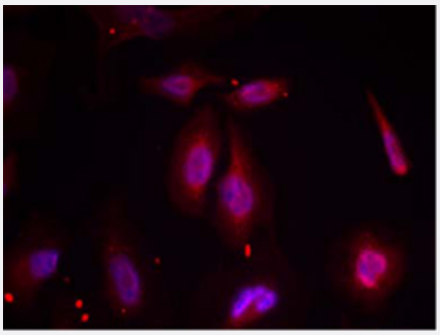
Catalog # PAB25251 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF2 (phospho T51/T69) polyclonal antibody(Cat # PAB25251).



Immunofluorescence

Immunofluorescence staining of methanol-fixed HeLa cells using ATF2 (phospho T51/T69) polyclonal antibody (Cat # PAB25251).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ATF2.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T69/T51 of human ATF2.
Sequence	D-Q-Tp-P-T
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography

Concentration	1 mg/mL
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:100-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ATF2 (phospho T51/T69) polyclonal antibody(Cat # PAB25251).

- Immunofluorescence

  Immunofluorescence staining of methanol-fixed HeLa cells using ATF2 (phospho T51/T69) polyclonal antibody (Cat # PAB25251).

Gene Info — ATF2

Entrez GeneID	1386
Protein Accession#	P15336
Gene Name	ATF2
Gene Alias	CRE-BP1, CREB2, HB16, MGC111558, TREB7
Gene Description	activating transcription factor 2
Omim ID	123811
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. The protein forms a homodimer or heterodimer with c-Jun and stimulates CRE-dependent transcription. The protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. Additional transcript variants have been identified but their biological validity has not been determined. [provided by RefSeq
Other Designations	OTTHUMP00000163262|activating transcription factor 2 splice variant ATF2-var2|cAMP responsive element binding protein 2, formerly

Pathway

- MAPK signaling pathway

Disease

- Bipolar Disorder
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder