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Datasheet for ABIN7265028
anti-ATF2 antibody (pThr71)

4 Images

Overview

Quantity:	200 µL
Target:	ATF2
Binding Specificity:	pThr71
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic phosphorylated peptide around T71 of human ATF2 (NP_001871.2).
Isotype:	IgG
Characteristics:	Phosphorylated antibody
Purification:	Affinity purification

Target Details

Target:	ATF2
Alternative Name:	ATF2 (ATF2 Products)
Background:	This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on

Target Details

its ability to perform mechanistically distinct functions This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This 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. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene

Gene ID: 1386

UniProt: [P15336](#)

Pathways: [MAPK Signaling](#), [RTK Signaling](#), [Thyroid Hormone Synthesis](#), [Activation of Innate immune Response](#), [Chromatin Binding](#), [Myometrial Relaxation and Contraction](#), [Synaptic Membrane](#), [Tube Formation](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: IHC 1:50-1:100 IF 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

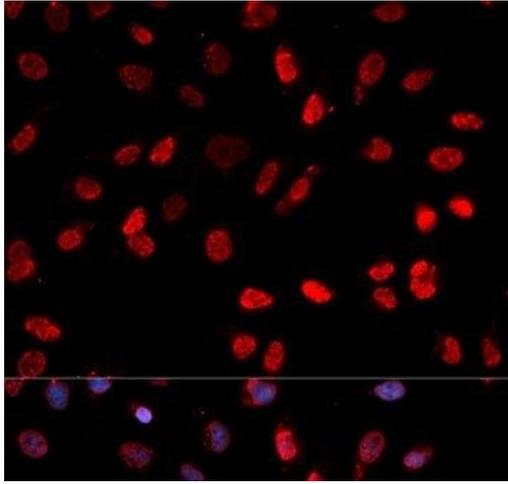
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

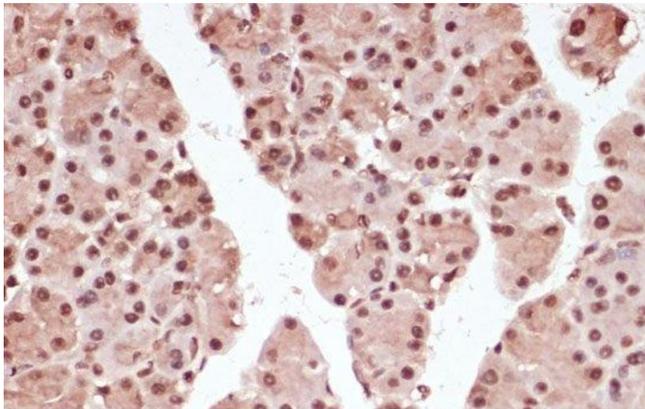
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



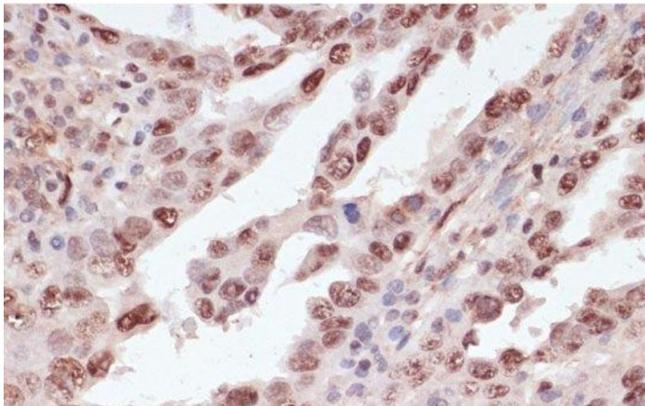
Immunofluorescence

Image 1. Immunofluorescence analysis of MCF-7 cells using Phospho-ATF2(T71) Polyclonal Antibody



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Rat pancreas using Phospho-ATF2(T71) Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human lung cancer using Phospho-ATF2(T71) Polyclonal Antibody at dilution of 1:100 (40x lens).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265028.