

**Product Name: ATF-3 Rabbit Polyclonal Antibody****Catalog #: APRab07274**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:100-1:500,ICC/IF 1:100-1:500,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	21kDa

**Antigen Information**

<b>Gene Name</b>	ATF3
<b>Alternative Names</b>	ATF3; Cyclic AMP-dependent transcription factor ATF-3; cAMP-dependent transcription factor ATF-3; Activating transcription factor 3
<b>Gene ID</b>	467.0
<b>SwissProt ID</b>	P18847
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ATF3. AA range:131-180

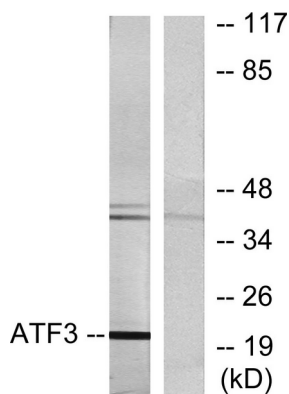
**Background**

activating transcription factor 3(ATF3) Homo sapiens This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes. [provided by RefSeq, Apr 2011],function:This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Represses transcription from promoters with ATF sites. It may repress transcription by stabilizing the binding of inhibitory cofactors at the promoter. Isoform 2 activates transcription presumably by sequestering inhibitory cofactors away from the promoters.,similarity:Belongs to the bZIP family.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subunit:Binds DNA as a homodimer or a heterodimer.,

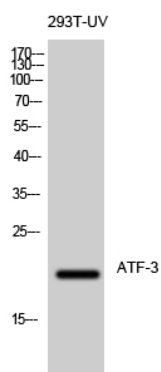
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of lysates from RAW264.7 cells, using ATF3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of 293T-UV cells using ATF-3 Polyclonal Antibody diluted at 1 : 500 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .