

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



Summary

Production Name	ATF-3 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

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

Application

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

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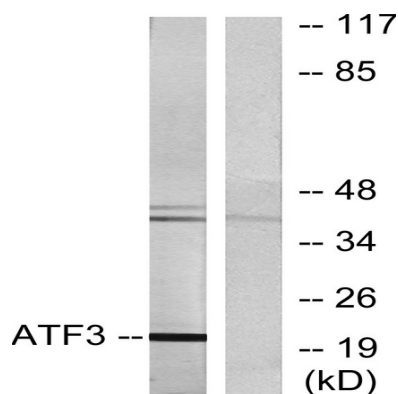


Background

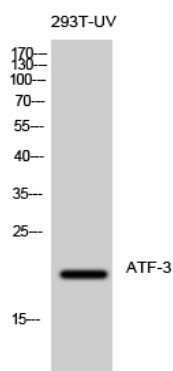
activating transcription factor 3(ATF3) Homo sapiens This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer 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

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.



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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, Inventbiotech, MN, USA) .

Note

For research use only.