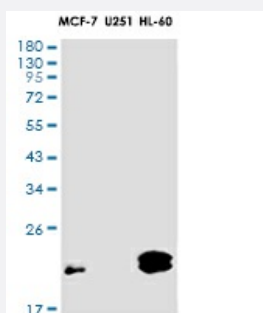


RecomAb™

ATF3 recombinant monoclonal antibody, clone R05-2E0

Catalog # RAB01489 Size 100 uL

Applications



Western Blot

Western blot analysis of ATF3 in MCF-7, U251, HL-60 lysates using ATF3 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATF3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human ATF3.
Theoretical MW (kDa)	Calculated MW: 21 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of ATF3 in MCF-7, U251, HL-60 lysates using ATF3 antibody.

- Immunoprecipitation

Gene Info — ATF3

Entrez GeneID[467](#)**Protein Accession#**[P18847](#)**Gene Name**

ATF3

Gene Alias

-

Gene Description

activating transcription factor 3

Omim ID[603148](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Activating transcription factor 3 is a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. Multiple transcript variants encoding two different isoforms have been found for this gene. The longer isoform represses rather than activates transcription from promoters with ATF binding elements. The shorter isoform (deltaZip2) lacks the leucine zipper protein-dimerization motif and does not bind to DNA, and it stimulates transcription presumably by sequestering inhibitory co-factors away from the promoter. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes. [provided by RefSeq]

Other Designations

ATF3deltaZip2|ATF3deltaZip2c|ATF3deltaZip3|OTTHUMP00000034887|OTTHUMP00000034890

Disease

- [Cardiovascular Diseases](#)
- [Cryptorchidism](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypospadias](#)
- [Kidney Failure](#)