

Datasheet: AHP1411

Description:	RABBIT ANTI HUMAN ATF3
Specificity:	ATF3
Other names:	ACTIVATING TRANSCRIPTION FACTOR 3
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			5ug/ml
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human ATF3 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide sequence corresponding to amino acid sequence 113-130 of human ATF3.

**External Database
Links**

UniProt:

[P18847](#) [Related reagents](#)

Entrez Gene:

[467](#) ATF3 [Related reagents](#)

Specificity

Rabbit anti Human ATF3 antibody recognizes human Activating Transcription factor 3 (ATF3), a 20.6 kDa member of the activation transcription factor (ATF)/cAMP responsive element-binding (CREB) family of transcription factors.

Two isoforms of ATF3 have been identified. Isoform 1, the longer of the two, represses transcription from promoters with ATF binding elements by stabilizing the binding of inhibitory cofactors at the promoter. Isoform 2, which lacks the leucine zipper protein-dimerization motif, stimulates transcription, by sequestering inhibitory cofactors away from the promoters. It is possible that alternative splicing of the ATF3 gene may be physiologically important in the regulation of target genes .

**Histology Positive
Control Tissue**

Human prostate

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

- [HISTAR DETECTION SYSTEM \(STAR3000B\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
- [ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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