

# **Product datasheet**

info@arigobio.com

ARG41990 anti-ATF5 antibody

Package: 100 μl Store at: -20°C

## **Summary**

Product Description Rabbit Polyclonal antibody recognizes ATF5

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, IP, WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name ATF5

Species Human

Immunogen Synthetic peptide of Human ATF5.

Conjugation Un-conjugated

Alternate Names HMFN0395; cAMP-dependent transcription factor ATF-5; Cyclic AMP-dependent transcription factor

ATF-5; Activating transcription factor 5; Transcription factor ATFx; ATFX

# **Application Instructions**

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:100 - 1:500
	IP	1:50
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 32 kDa	

## **Properties**

Form	Liquid	
Purification	Affinity purified.	
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.	
Preservative	0.02% Sodium azide	
Stabilizer	50% Glycerol	
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw	

For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol ATF5

Gene Full Name activating transcription factor 5

Function Transcriptional activator which binds the cAMP response element (CRE) (consensus:

5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. Its transcriptional activity is enhanced by CCND3

and slightly inhibited by CDK4. [UniProt]

Calculated Mw 31 kDa

PTM Ubiquitinated by CDC34 and UBE2B in order to be degraded by the proteasome. Cisplatin inhibits

ubiquitination and proteasome-mediated degradation by inhibiting the interaction with CDC34 (PubMed:18458088). Ubiquitination and degradation by the proteasome are inhibited by NLK in a

kinase-independent manner (PubMed:25512613).

Phosphorylated by NLK, probably at Ser-92, Thr-94, Ser-126 and Ser-190.

Acetylated at Lys-29 by EP300, the acetylation enhances the interaction with CEBPB, DNA-binding and

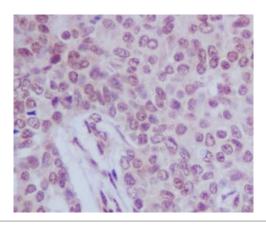
transactivation activity. [UniProt]

Cellular Localization Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome.

Note=Actively transported to the centrosome and accumulated in the pericentriolar material (PCM) during G1 to M phase via a microtubule-dependent mechanism. During late telophase and cytokinesis,

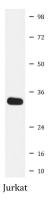
translocates from the centrosome to the midbody. [UniProt]

#### **Images**



#### ARG41990 anti-ATF5 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast tissue stained with ARG41990 anti-ATF5 antibody.



#### ARG41990 anti-ATF5 antibody WB image

Western blot: Jurkat cell lysate stained with ARG41990 anti-ATF5 antibody.