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

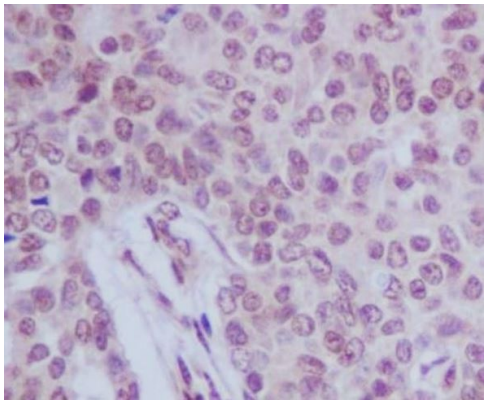
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store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

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

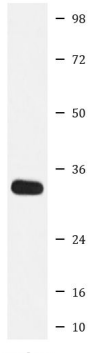
Gene Symbol	ATF5
Gene Full Name	activating transcription factor 5
Function	Transcriptional activator which binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. 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.