

Datasheet for ABIN7599712
anti-ATF5 antibody (AA 11-275)



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Overview

Quantity:	100 µg
Target:	ATF5
Binding Specificity:	AA 11-275
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATF5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ATF5 Antibody Picoband®
Immunogen:	E.coli-derived human ATF5 recombinant protein (Position: L11-R275). Human ATF5 shares 86.5% and 87.2% amino acid (aa) sequence identity with mouse and rat ATF5, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ATF5 Antibody Picoband® (ABIN7599712). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ATF5
Alternative Name:	ATF5 (ATF5 Products)
Background:	Synonyms: ATF5, ATFX, Cyclic AMP-dependent transcription factor ATF-5, cAMP-dependent transcription factor ATF-5, Activating transcription factor 5, Transcription factor ATFX Background: Activating transcription factor 5, also known as ATF5, is a protein that, in humans, is encoded by the ATF5 gene. Enables several functions, including DNA-binding transcription activator activity, RNA polymerase II-specific, RNA polymerase II transcription regulatory region sequence-specific DNA binding activity, and tubulin binding activity. Involved in several processes, including fat cell differentiation, regulation of cell cycle process, and regulation of transcription, DNA-templated. Located in centrosome, cytosol, and nucleoplasm.
Molecular Weight:	37 kDa
Gene ID:	22809
UniProt:	Q9Y2D1
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Pati, D., Meistrich, M. L., Plon, S. E. Human Cdc34 and Rad6B ubiquitin-conjugating enzymes target repressors of cyclic AMP-induced transcription for proteolysis. <i>Molec. Cell. Biol.</i> 19: 5001-5013, 1999. 2. Peters, C. S., Liang, X., Li, S., Kannan, S., Peng, Y., Taub, R., Diamond, R. H. ATF-7, a novel bZIP protein, interacts with the PRL-1 protein-tyrosine phosphatase. <i>J. Biol. Chem.</i> 276: 13718-13726, 2001. 3. Sheng, Z., Li, L., Zhu, L. J., Smith, T. W., Demers, A., Ross, A. H., Moser, R. P., Green, M. R. A genome-wide RNA interference screen reveals an essential CREB3L2-ATF5-MCL1 survival pathway in malignant glioma with therapeutic implications. <i>Nature Med.</i> 16: 671-677, 2010.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.