

Datasheet for ABIN7599192
anti-AFT1 antibody (AA 1-271)



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Overview

Quantity:	100 µg
Target:	AFT1
Binding Specificity:	AA 1-271
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AFT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ATF1 Antibody Picoband®(monoclonal, 7F8)
Immunogen:	E.coli-derived human ATF1 recombinant protein (Position: M1-V271). Human ATF1 shares 91% amino acid (aa) sequence identity with mouse ATF1.
Clone:	7F8
Isotype:	IgG2a
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ATF1 Antibody Picoband® (monoclonal, 7F8) (ABIN7599192). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: AFT1

Alternative Name: ATF1 ([AFT1 Products](#))

Background: Synonyms: Cyclic AMP-dependent transcription factor ATF-1, cAMP-dependent transcription factor ATF-1, Activating transcription factor 1, Protein TREB36, ATF1

Tissue Specificity: B-lymphocytes.

Background: ATF1, also known as activating transcription factor 1, is a protein that in humans is encoded by the ATF1 gene. It is mapped to 12q13.12. This gene encodes an activating transcription factor, which belongs to the ATF subfamily and bZIP (basic-region leucine zipper) family. It influences cellular physiologic processes by regulating the expression of downstream target genes, which are related to growth, survival, and other cellular activities. This protein is phosphorylated at serine 63 in its kinase-inducible domain by serine/threonine kinases, cAMP-dependent protein kinase A, calmodulin-dependent protein kinase I/II, mitogen- and stress-activated protein kinase and cyclin-dependent kinase 3 (cdk-3). Its phosphorylation enhances its transactivation and transcriptional activities, and enhances cell transformation.

Molecular Weight: 38 kDa

Gene ID: 466

UniProt: [P18846](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human

Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human

Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

1. ucman, J., Delattre, O., Desmaze, C., Epstein, A. L., Stenman, G., Speleman, F., Fletchers, C. D. M., Aurias, A., Thomas, G. EWS and ATF-1 gene fusion induced by t(12,22) translocation in malignant melanoma of soft parts. Nature Genet. 4: 341-345, 1993. 2. "Entrez Gene: ATF1

Application Details

	activating transcription factor 1"
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.