Datasheet for ABIN7354644

anti-AFT1 antibody (AA 1-271) (DyLight 550)

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Overview

Quantity:	100 µg
Target:	AFT1
Binding Specificity:	AA 1-271
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AFT1 antibody is conjugated to DyLight 550
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Human ATF1 DyLight® 550 conjugated Antibody
Immunogen:	E.coli-derived human ATF1 recombinant protein (Position: M1-V271). Human ATF1 shares 91% amino acid (aa) sequence identity with mouse ATF1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Human ATF1 DyLight® 550 conjugated Antibody -Dyl550. Tested in Flow Cytometry applications. This antibody reacts with Human.
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 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:	39 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:	Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells1. 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 activating transcription factor 1"
Comment:	Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Each vial contains 50 % glycerol, 0.9 % NaCl, 0.2 % Na2HPO4, 0.02 % Sodium azide.

Handling

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:	-20 °C
Storage Comment:	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.