Product datasheet

# Anti-ATF1 DyLight 550 Conjugated Antibody

**Catalog Number:** ***A01600-Dyl550***

BOSTER
antibody and ELISA experts
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## Basic Information

| | |
|---|---|
| **Product Name** | Anti-ATF1 DyLight 550 Conjugated Antibody |
| **Gene Name** | ATF1 |
| **Source** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Species Reactivity** | human |
| **Tested Application** | FCM |
| **Contents** | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3. |
| **Immunogen** | E.coli-derived human ATF1 recombinant protein (Position: M1-V271). Human ATF1 shares 91% amino acid (aa) sequence identity with mouse ATF1. |
| **Fluorophores** | Amax=562nm; Emax=576nm |
| **Conjugate** | Dylight 550 |
| **Concentration** | 500ug/ml |
| **Purification** | Immunogen affinity purified. |
| **Dilution Ratios** | Flow cytometry (FCM):1-3 µg/1x$10^6$ cells |

## Storage

At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

## Background Information

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.

## Selected Validation Data

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