

# ATF1 Antibody

Catalog No: #33703



Package Size: #33703-1 50ul #33703-2 100ul

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## Description

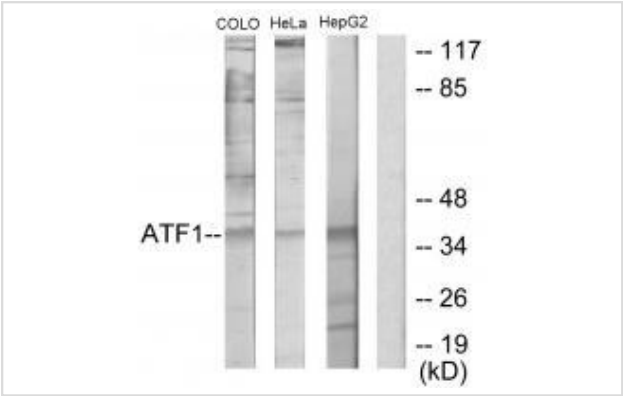
|                       |                                                                                                                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Product Name          | ATF1 Antibody                                                                                                             |
| Host Species          | Rabbit                                                                                                                    |
| Clonality             | Polyclonal                                                                                                                |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.     |
| Applications          | WB IF                                                                                                                     |
| Species Reactivity    | Hu Ms Rt                                                                                                                  |
| Specificity           | The antibody detects endogenous levels of total ATF1 protein.                                                             |
| Immunogen Type        | Peptide                                                                                                                   |
| Immunogen Description | Synthesized peptide derived from internal of human ATF1.                                                                  |
| Target Name           | ATF1                                                                                                                      |
| Other Names           | ATF1; Activating transcription factor 1; Cyclic-AMP-dependent transcription factor ATF-1; TCR-ATF1; TREB36 protein        |
| Accession No.         | Swiss-Prot: P18846NCBI Gene ID: 466                                                                                       |
| Uniprot               | P18846                                                                                                                    |
| GeneID                | 466;                                                                                                                      |
| SDS-PAGE MW           | 36kd                                                                                                                      |
| Concentration         | 1.0mg/ml                                                                                                                  |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C                                                                                                            |

## Application Details

Western blotting: 1:500~1:3000

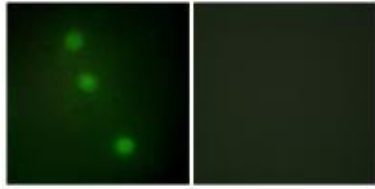
Immunofluorescence: 1:100~1:500

## Images



Western blot analysis of extracts from COLO205 cells, HeLa cells and HepG2 cells, using ATF1 antibody #33703.

Immunofluorescence analysis of HUVEC cells, using ATF1 antibody #33703.



## Background

This protein binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. Binds to the Tax-responsive element (TRE) of HTLV-I. Mediates PKA-induced stimulation of CRE-reporter genes. Represses the expression of FTH1 and other antioxidant detoxification genes. Triggers cell proliferation and transformation.

Yoshimura T., EMBO J. 9:2537-2542(1990).

Reh fuss R.P., J. Biol. Chem. 266:18431-18434(1991).

Hai T., Genes Dev. 3:2083-2090(1989).

Note: This product is for in vitro research use only