

Product Datasheet

ATF4 Antibody

Catalog No: CY5873

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP FC



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Information

UniProt ID: P18848

All Names: Cyclic AMP-dependent transcription factor ATF-4; cAMP-dependent transcription factor ATF-4; Activating transcription factor 4; Cyclic AMP-responsive element-binding protein 2; CREB-2; cAMP-responsive element-binding protein 2; DNA-binding protein TAXREB67;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 50 kDa

Application

WB 1:500~1:1000

IHC 1:50~1:200

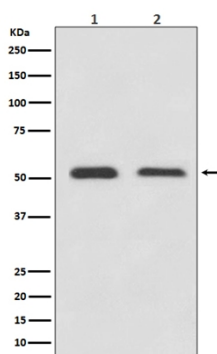
ICC/IF 1:100~1:500

IP 1:50

FC 1:50

Background

ATF4, an activating transcription factor/cAMP-response element-binding protein family member, functions in the PERK and eIF2 α ER stress responsive pathway. ER stress represses the translation of the majority of mRNAs, but selectively stimulates the translation of certain mRNAs including that of ATF-4. Induced expression of ATF-4 increases the expression of genes critical for the recovery from ER stress.



Western blot analysis of ATF4 expression in (1) HeLa cell lysate; (2) 3T3 cell lysate.

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