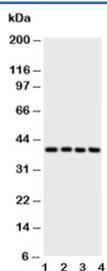


## ATF4 Antibody (R30614)

Catalog No.	Formulation	Size
R30614	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P18848
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This ATF4 antibody is available for research use only.



Western blot testing of ATF4 antibody and Lane 1: A431; 2: Raji; 3: CEM; 4: HUT cell lysate. Predicted molecular weight ~39kDa.

## Description

Activating Transcription Factor 4, also known as CREB2, belongs to the large ATF/CREB family of transcription factors which bind DNA via their basic region and dimerize via their leucine zipper domain to form a variety of homo- and heterodimers to regulate gene transcription. Members of this family share significant sequence similarity within a leucine zipper DNA-binding motif and an adjacent basic region. Unlike CREB, which activates transcription from CRE-containing promoters, CREB2/ATF4 functions as a specific repressor of CRE-dependent transcription. The transcriptional repressor activity resides within the C-terminal leucine zipper and basic domain region of the ATF4 protein.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the ATF4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Amino acids 332-351 (QYLKDLIEEVRKARGKKRVP) were used as the immunogen for this ATF4 antibody (100% homologous in human, mouse and rat).

## Storage

After reconstitution, the ATF4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.