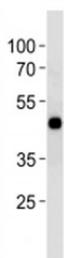


CREB Antibody (F41641)

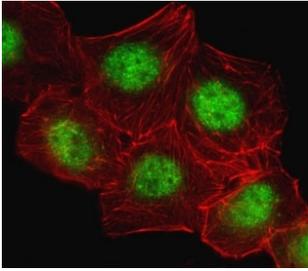
Catalog No.	Formulation	Size
F41641-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41641-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

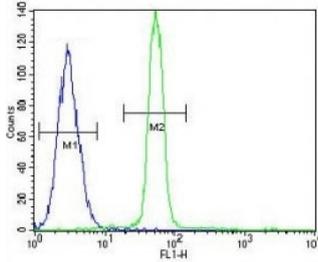
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P16220
Applications	Immunofluorescence : 1:10-1:50 Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
Limitations	This CREB antibody is available for research use only.



CREB antibody western blot analysis in HT29 lysate. Predicted molecular weight is 37 kDa but routinely observed at ~43 kDa.



Fluorescent image of A549 cell stained with CREB antibody. Alexa Fluor 488 (green) secondary was used (1:400, 50 min at 37oC). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin. Immunoreactivity is localized to the nucleus.



CREB antibody flow cytometric analysis of A549 cells (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms.

Application Notes

Titration of the CREB antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 105-132 from the human protein was used as the immunogen for this CREB antibody.

Storage

Aliquot the CREB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.