

# CREB Recombinant Polyclonal Antibody (3HCLC)

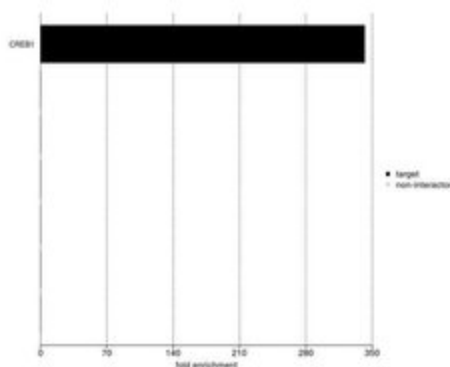
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	3HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 222-341 of human CREB
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532591

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:5,000	-
Immunocytochemistry (ICC/IF)	1:500-1:5,000	-

## Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

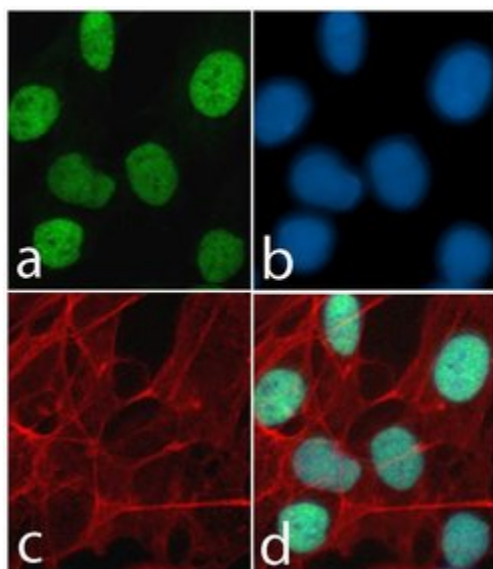
## Advanced Verification Data



### CREB Antibody (710149)

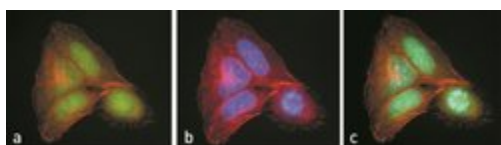
IP-MS enrichment of CREB1 (LFQ intensity): CREB1 was enriched 342-fold from A549 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CREB1 antibody (Product # 710149). The STRING database ([www.string-db.org](http://www.string-db.org)) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

## Product Images For CREB Recombinant Polyclonal Antibody (3HCLC)



### CREB Antibody (710149) in ICC/IF

Immunofluorescent analysis of CREB was performed on 70% confluent log phase U-2 OS cells. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.25% Triton X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with CREB Recombinant Rabbit Polyclonal Antibody (Product # 710149) at a dilution of 1:1000 in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor® 488 Goat anti-Rabbit IgG secondary antibody (Product # A-11008) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 594 phalloidin (Product # A12381) and panel d is a merged image showing nuclear localization. The images were captured using a Nikon microscope at 20X magnification.



### CREB Antibody (710149) in ICC/IF

Immunofluorescent analysis of CREB in HeLa cells using a CREB Recombinant Rabbit Polyclonal Antibody (Product # 710149) followed by detection using an Alexa Fluor 488-conjugated Goat anti-Rabbit secondary antibody (green) and actin staining using Alexa Fluor 594 phalloidin (red) showing nuclear localization of CREB (Image A). Image B shows DAPI staining only (blue) and Image C is a composite image of an And B.

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