

# CREB Recombinant Polyclonal Antibody (3HCLC)

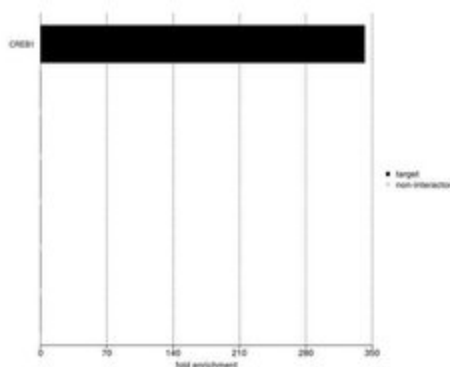
| Product Details    |  |
|--------------------|--|
| Size               | 100 µg   |
| Species            | Human  |
| Expression System  | Rabbit / IgG   |
| Class              | Recombinant Polyclonal   |
| Type               | Antibody   |
| Clone              | 3HCLC  |
| Conjugate          | Unconjugated   |
| 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 |
|---------------------------|-----------------|--------------|
| Immunocytochemistry (ICC) | 1:500-1:5000    | -            |
| Immunofluorescence (IF)   | 1:500-1:5000    | -            |
| Western Blot (WB)         | 1:500-1:5000    | -            |

## 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.

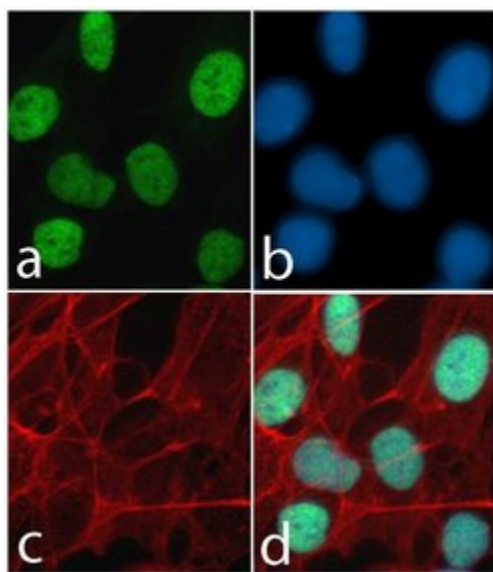
## Advanced Verification Data



### 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 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 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 A and B.

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