

# IRF4 Recombinant Polyclonal Antibody (16 HCLC)

| Product Details    |  |
|--------------------|--|
| Size               | 100 µg   |
| Species Reactivity | Human  |
| Host/Isotype       | Rabbit / IgG   |
| Expression system  | Expi293  |
| Class              | Recombinant Polyclonal   |
| Type               | Antibody   |
| Clone              | 16 HCLC  |
| Conjugate          | Unconjugated   |
| Immunogen          | Peptides corresponding to Human IRF4 (aa 425-442, 175-192)                                   |
| Form               | Liquid   |
| Concentration      | 0.5 mg/mL  |
| Purification       | Protein A  |
| Storage buffer     | PBS, pH 7.2  |
| 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_2633153   |

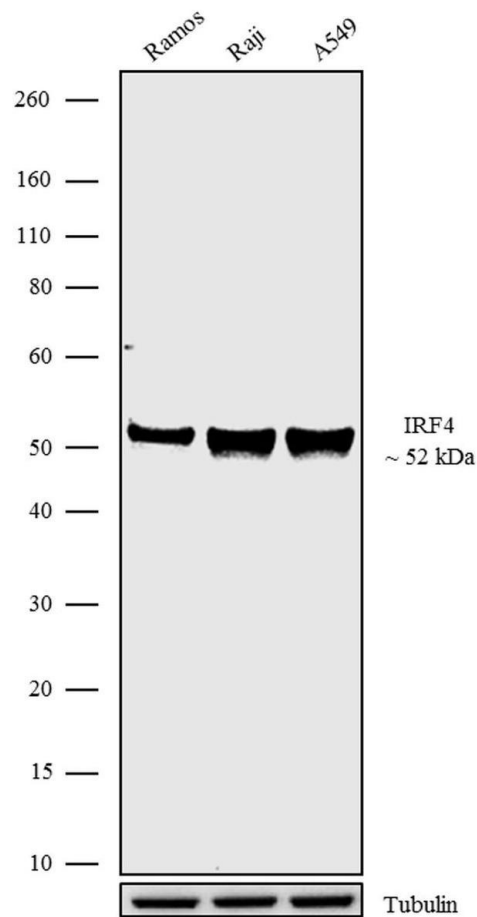
| Applications                 | Tested Dilution | Publications |
|------------------------------|-----------------|--------------|
| Western Blot (WB)            | 1-2 µg/mL       | -            |
| Immunocytochemistry (ICC/IF) | 2 µg/mL         | -            |

## Product Specific Information

This antibody is predicted to react with Monkey, Cat and Bat

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.

Product Images For IRF4 Recombinant Polyclonal Antibody (16 HCLC)

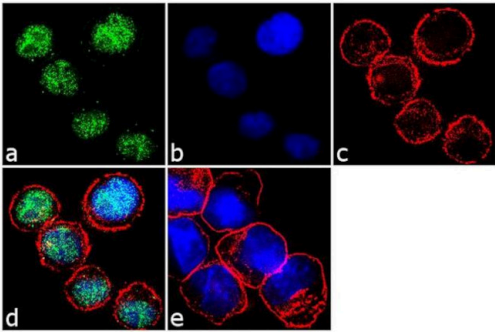


IRF4 Antibody (711295) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Ramos (Lane 1), Raji (Lane 2) and A549 (Lane 3). The blots were probed with Anti-IRF4 Recombinant Rabbit Polyclonal Antibody (Product # 711295, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 52 kDa bands corresponding to IRF4 was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).

IRF4 Antibody (711295) in ICC/IF

For immunofluorescence analysis, Ramos cells were fixed and permeabilized for detection of endogenous IRF4 using Anti- IRF4 Recombinant Rabbit Polyclonal Antibody (Product # 711295, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of IRF4 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating nuclear localization of IRF4. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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