

# ERO1L Recombinant Polyclonal Antibody

| Product Details    |  |
|--------------------|--|
| Size               | 100 µg   |
| Species Reactivity | Human, Mouse   |
| Host/Isotype       | Rabbit / IgG   |
| Expression system  | Expi293  |
| Class              | Recombinant Polyclonal   |
| Type               | Antibody   |
| Conjugate          | Unconjugated   |
| Immunogen          | Protein corresponding to human ERO1L (aa22-aa468)  |
| Form               | Liquid   |
| Concentration      | 0.5 mg/mL  |
| Purification       | Protein A  |
| Storage buffer     | PBS, pH 7.4  |
| 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_2688317   |

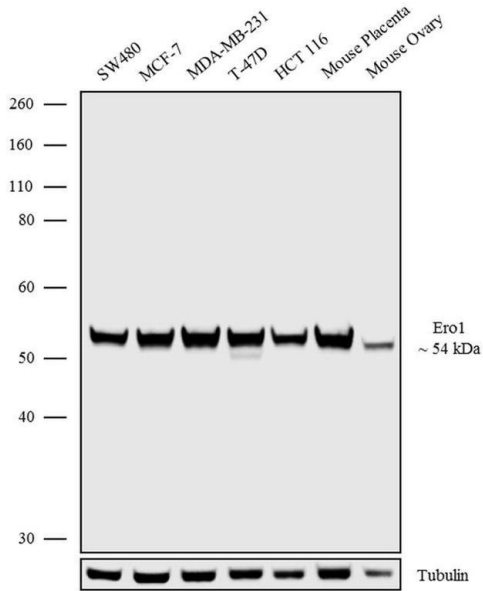
| Applications                 | Tested Dilution | Publications |
|------------------------------|-----------------|--------------|
| Western Blot (WB)            | 1-2 µg/mL       | -            |
| Immunocytochemistry (ICC/IF) | 2 µg/mL         | -            |

## Product Specific Information

This antibody is predicted to react with Monkey, Pig, and Bovine.

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 ERO1L Recombinant Polyclonal Antibody

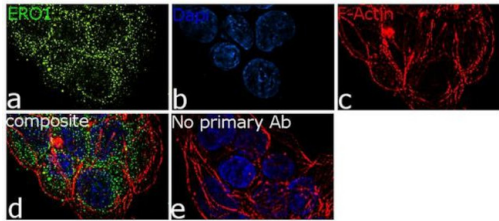


ERO1L Antibody (711744) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of SW480 (Lane 1), MCF-7 (Lane 2), MDA-MB-231 (Lane 3), T-47D (Lane 4), HCT 116 (Lane 5) and tissue extracts of mouse placenta (Lane 6) and mouse ovary (Lane 7). The blots were probed with Anti-ERO1L Recombinant Rabbit Polyclonal Antibody (Product # 711744, 1 µg/mL). A 54 kDa band corresponding to Ero1 was observed across the cell lines and tissues tested. The blots were detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10% Bis-Tris gel (Product # NP0301BOX), 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).

ERO1L Antibody (711744) in ICC/IF

For immunofluorescence analysis, DU145 cells were fixed and permeabilized for detection of endogenous ERO1L using Anti- ERO1L Recombinant Rabbit Polyclonal Antibody (Product # 711744, 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 Ero1/endoplasmic oxidoreductin-1 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 Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating cytoplasmic localization of ERO1L. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



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