

HRI Recombinant Polyclonal Antibody (7HCLC)

Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	7HCLC
Conjugate	Unconjugated
Immunogen	Protein corresponding to human HRI regulated inhibitor(HRI) (aa271-630)
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_2664567

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunoprecipitation (IP)	Assay Dependent	-
RNA Immunoprecipitation (RIP)	Assay-dependent	-

Product Specific Information

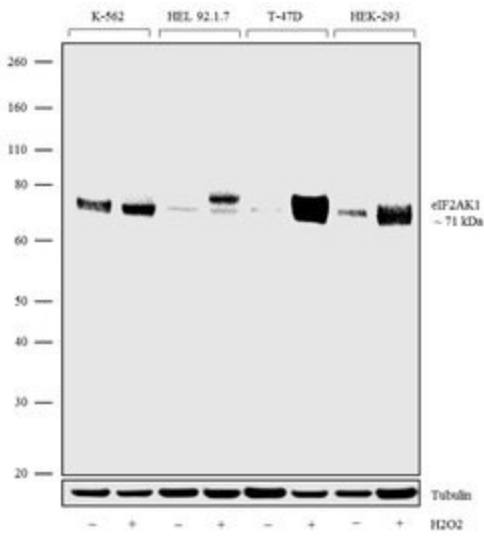
This antibody is predicted to react with Monkey, Horse, Mouse

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

HRI Antibody (711581)

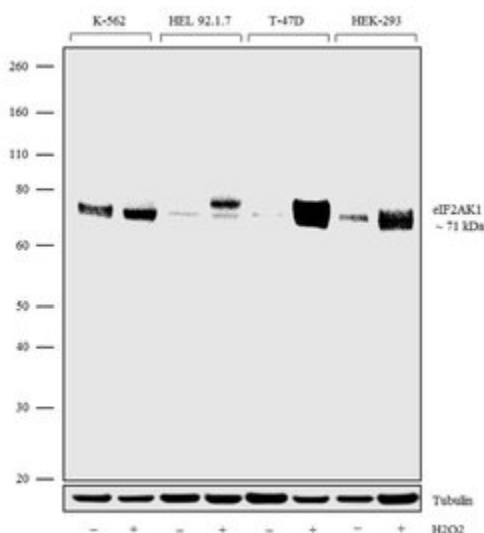
Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot of HRI using HRI Antibody (7HCLC), Recombinant Rabbit Polyclonal Antibody (Product # 711581), shows increased expression of HRI in all cell lines tested upon treatment with hydrogen peroxide. Cell treatment validation info.



Product Images For HRI Recombinant Polyclonal Antibody (7HCLC)

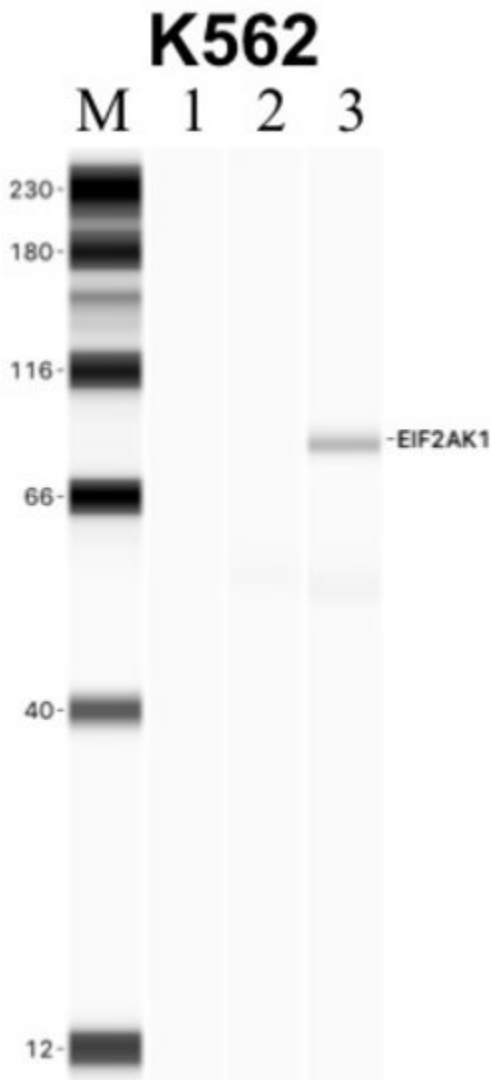
HRI Antibody (711581) in WB

Western blot analysis was performed on Membrane extracts (30 µg lysate) of K-562 (Lane 1), K-562 treated with H₂O₂ (150 µM for 1 hr) (Lane 2), HEL 92.1.7 (Lane 3), HEL 92.1.7 treated with H₂O₂ (150 µM for 1 hr) (Lane 4), T-47D (Lane 5), T-47D treated with H₂O₂ (150 µM for 1 hr) (Lane 6), HEK-293 (Lane 7) and HEK-293 treated with H₂O₂ (150 µM for 1 hr) (Lane 8). The blots were probed with Anti-HRI Recombinant Rabbit Polyclonal Antibody (Product # 711581, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). A 71 kDa band corresponding to HRI was observed across the cell lines (with treatment difference) 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).



HRI Antibody (711581) in IP

Immunoprecipitation of HRI was performed in K562 cells. Antigen-antibody complexes were formed by incubating approximately 500 µg whole cell lysate with 5 to 10 µL of recombinant polyclonal HRI antibody (Product # 711581) rotating 60 min at RT. The immune complexes were captured on 625 µg of anti-rabbit coated Dynabeads (Product # 11204D) and washed extensively. They were then eluted and analyzed using the Simple Western system using the same antibody as used in immunoprecipitation at a dilution of 1:25, followed by a 1:100 dilution of secondary antibody. Lane 1 is the input, lane 2 no antibody IP and lane 3 is the target specific IP. Data courtesy of the Yeo lab as part of the ENCODE project.



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