

WNT4 Recombinant Polyclonal Antibody (9HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Clone	9HCLC
Conjugate	Unconjugated
Immunogen	Multiple peptides corresponding to Human Wnt4 (aa 58-71; 235-253; 258-269)
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_2532778

Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1 µg/mL	-
Immunocytochemistry (ICC/IF)	0.5 µg/mL	-

Product Specific Information

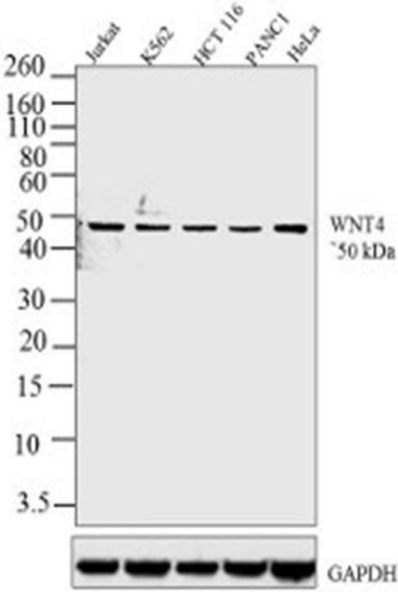
This antibody is predicted to react with Monkey, Pig, Rat and Mouse.

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.

Product Images For WNT4 Recombinant Polyclonal Antibody (9HCLC)

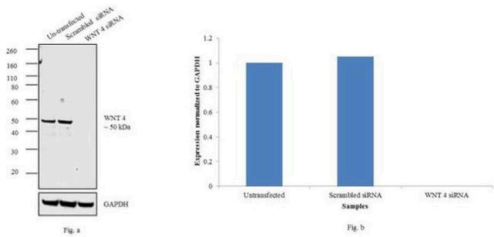
WNT4 Antibody (710889) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Jurkat (Lane1), K562 (Lane 2), HCT 116 (Lane 3), PANC1 (Lane 4) and HeLa (Lane 5). The blots were probed with Anti-WNT 4 Recombinant Rabbit Polyclonal Antibody (Product # 710889, 0.5-1 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 clear 46 kDa band corresponding to WNT 4 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).



WNT4 Antibody (710889)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with WNT4 siRNA and loss of signal was observed in Western blot using Anti- WNT4 Antibody (9HCLC) Recombinant Rabbit Polyclonal (Product # 710889). {KD}



WNT4 Antibody (710889) in ICC/IF

Immunofluorescence was performed on fixed and permeabilized HepG2 cells for detection of Wnt4 using Anti-Wnt4 Recombinant Rabbit Polyclonal Antibody (Product # 710889, 0.5 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 Wnt4 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 cytoplasmic localization of Wnt4 protein. Panel e) represents control cells with no primary Antibody to assess background.

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