

WNT4 Recombinant Rabbit Monoclonal Antibody (9H2L10)

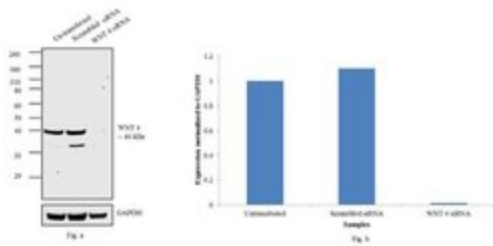
Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	9H2L10
Conjugate	Unconjugated
Immunogen	Multiple peptides corresponding to Human Wnt4 (aa 58-71; 235-253; 258-269)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein 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_2608445

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

Product Specific Information

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

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.



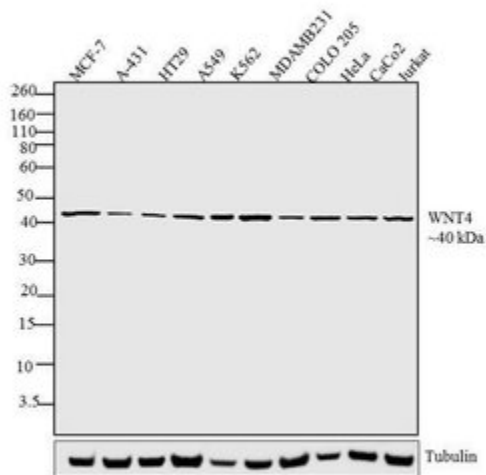
WNT4 Antibody (701857)

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 Recombinant Rabbit Monoclonal Antibody (9H2L10) (Product # 701857). Knockdown validation info.

Product Images For WNT4 Recombinant Rabbit Monoclonal Antibody (9H2L10)

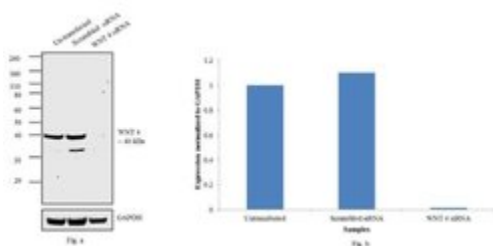
WNT4 Antibody (701857) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of MCF-7 (Lane 1), A-431 (Lane 2), HT-29 (Lane 3), A549 (Lane 4), K-562 (lane 5), MDA-MB-231 (Lane 6), Colo 205 (Lane 7), HeLa (Lane 8), Caco2 (Lane 9) and Jurkat (Lane 10). The blots were probed with WNT4 Recombinant Rabbit Monoclonal Antibody (Product # 701857, 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 40 kDa band corresponding to WNT4 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 (701857) in WB

Knockdown of WNT4 was achieved by transfecting A-431 cells with WNT4 specific validated siRNAs (Silencer® select Product # s28935,s28936). Western blot analysis (Fig. a) was performed using whole cell extracts from the WNT4 knockdown cells (lane 3), non-specific scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blots were probed with WNT4 Antibody (9H2L10), Recombinant Rabbit Monoclonal (Product # 701857, 1 µg/mL) and Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). Densitometric analysis of this Western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to WNT4.



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