

# WNT5A Monoclonal Antibody (G.307.7)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	G.307.7
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues surrounding Glu201 of Isoform 1 and Glu186 of Isoform 2 of the human Wnt5a protein
Form	Liquid
Concentration	50 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10986099

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication

## Product Specific Information

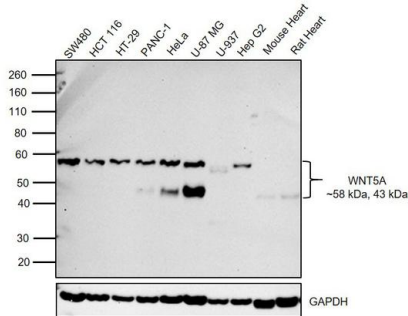
It is not recommended to aliquot this antibody.

This antibody works to detect both isoforms of human Wnt5a protein.

Product Images For WNT5A Monoclonal Antibody (G.307.7)

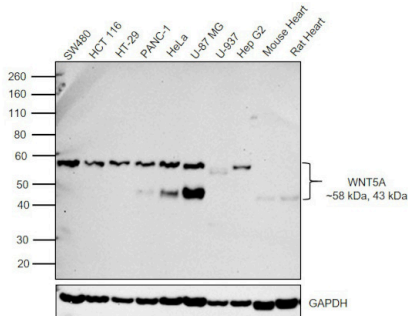
WNT5A Antibody (MA5-14946) in WB

Western blot was performed using Anti-WNT5A Rabbit Monoclonal Antibody (Product # MA5-14946) and 43 kDa, 58 kDa bands corresponding to canonical WNT5A and glycosylated WNT5A respectively were observed across cell lines and tissues tested. Whole cell extracts (30 µg lysate) of SW480 (Lane 1), HCT 116 (Lane 2), HT-29 (Lane 3), PANC-1 (Lane 4), HeLa (Lane 5), U-87 MG (Lane 6), U-937 (Lane 7), Hep G2 (Lane 8), Mouse Heart (Lane 9) and Rat Heart (Lane 10) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



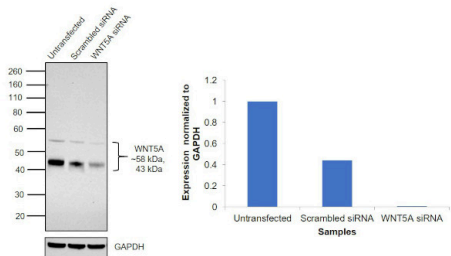
WNT5A Antibody (MA5-14946)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of WNT5A was observed in U-937 (Lane 7), which is null for WNT5A expression, Hep G2 (Lane 8) that expresses lower levels of WNT5A as compared to other cell lines SW480, HCT 116, HT-29, PANC-1, HeLa and U-87 MG (Lanes 1-6) that express high WNT5A levels using Anti-WNT5A Rabbit Monoclonal Antibody (Product # MA5-14946) in Western Blot. {RE}



WNT5A Antibody (MA5-14946)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U-87 MG cells were transfected with WNT5A siRNA and reduction of signal was observed in Western Blot using WNT5A Monoclonal Antibody (Product # MA5-14946). {KD}



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Western Blot (1)

PloS one		Year 2022
Vitamin D and rosuvastatin alleviate type-II diabetes-induced cognitive dysfunction by modulating neuroinflammation and canonical /noncanonical Wnt/-catenin signaling.		Species Rat
"MA5-14946 was used in Western Blotting to accentuated the neuroprotective potential of VitD and RSV and provide new incentives to expand their use in T2DM-induced cognitive and memory decline."		Dilution 1:1000
Authors: Muneeb M,Mansou SM,Saleh S,Mohammed RA		

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