

# Product Datasheet

## Wnt-10a Antibody - BSA Free NBP1-76916

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NBP1-76916**

Wnt-10a Antibody - BSA Free

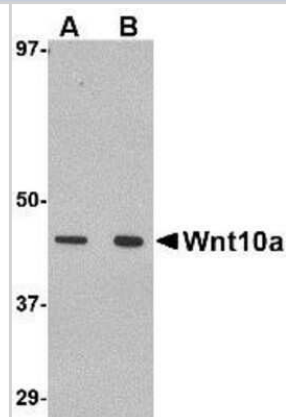
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	46 kDa

Product Description	
Host	Rabbit
Gene ID	80326
Gene Symbol	WNT10A
Species	Human, Mouse, Rat
Specificity/Sensitivity	This Wnt10a antibody is predicted to not cross-react with Wnt10b.
Immunogen	Antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Wnt10a. The immunogen is located within amino acids 300 - 350 of Wnt10a. Amino Acid Sequence: APGAPGPRRRASPA

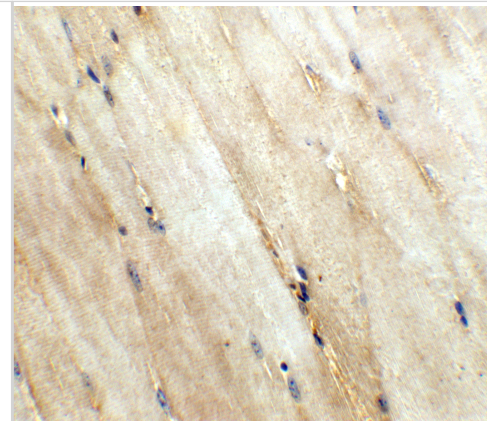
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1-2 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml

**Images**

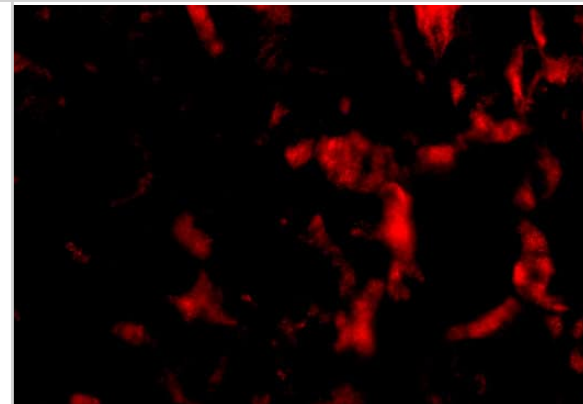
Western Blot: Wnt-10a Antibody [NBP1-76916] - RAW264.7 cell lysate with Wnt10a antibody at (A) 1 and (B) 2 ug/ml.



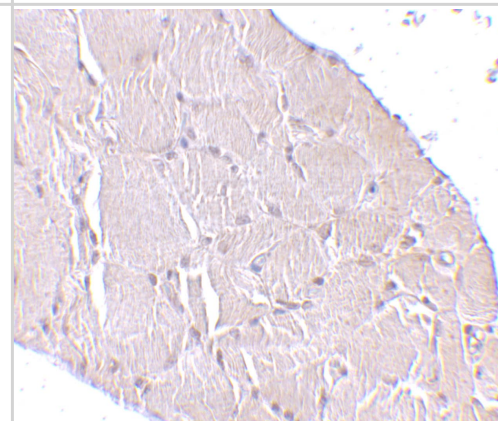
Western Blot: Wnt-10a Antibody - BSA Free [NBP1-76916] - Immunohistochemistry of Wnt-10a in mouse skeletal muscle tissue with Wnt-10a antibody at 5 ug/ml.



Immunocytochemistry/ Immunofluorescence: Wnt-10a Antibody - BSA Free [NBP1-76916] - Immunofluorescence of Wnt-10a in Human Skeletal Muscle tissue with Wnt-10a antibody at 20 ug/mL.

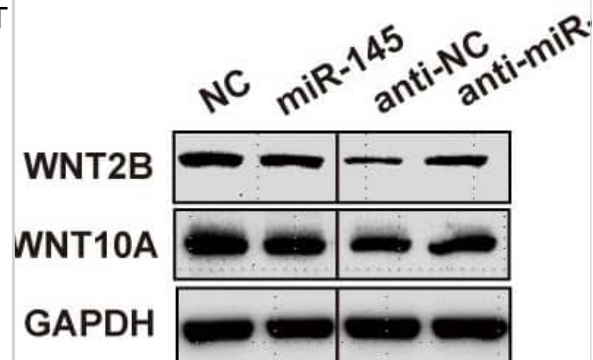


Immunohistochemistry: Wnt-10a Antibody - BSA Free [NBP1-76916] - Immunohistochemistry of Wnt-10a in human skeletal muscle tissue with Wnt-10a antibody at 10 ug/mL.

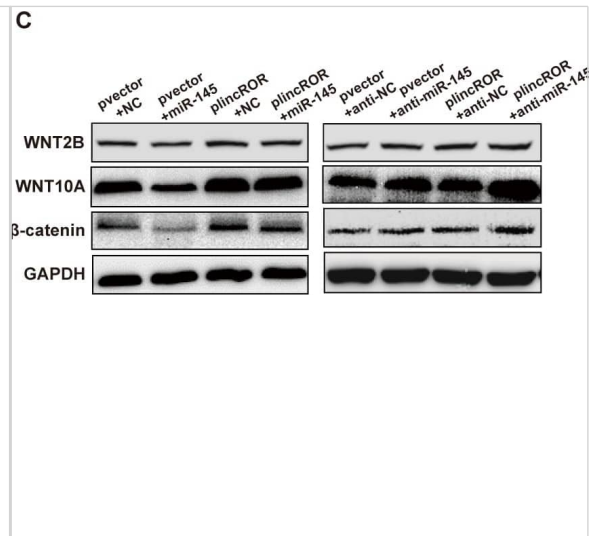


WNT2B and WNT10A were real targets of miR-145 in CRC cells.(A), The binding sequence of miR-145 in WNT2B/WNT10A 3'UTR was inserted into the dual-luciferase reporter vector to generate the WT plasmids. In contrast, this binding sequence was deleted to generate MUT plasmids. (B-C), Following transfection with miR-145, the luciferase activities of WT and MUT reporters were assessed. (D-F), The mRNA and protein expression levels of WNT2B and WNT10A were detected in CRC cells with miR-145 or anti-miR-145 transfection into SW620 cells. (G-I) The mRNA and protein expression levels of WNT2B and WNT10A were examined by qRT-PCR and western blot examination in lincROR silencing or overexpressing SW620 cells. Data were shown as mean +/- SD (n = 3). \*, P < 0.05; \*\*, P < 0.01; \*\*\*, P < 0.001; versus the corresponding control group. Image collected and cropped by CiteAb from the following open publication (<https://dx.plos.org/10.1371/journal.pone.0312417>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

**F**



LincROR activated the Wnt/ $\beta$ -Catenin signalling pathway by targeting miR-145. (A-B), the mRNA expression levels of WNT2B and WNT10A were examined in the lincROR overexpressing SW620 cells with miR-145 or anti-miR-145 transfection. (C), The protein expression levels of  $\beta$ -catenin, WNT2B, and WNT10A were examined in the lincROR overexpressing SW620 cells with miR-145 or anti-miR-145 transfection. (D-E), The mRNA expression level of  $\beta$ -catenin was assessed in the lincROR overexpressing SW620 cells with miR-145 or anti-miR-145 transfection. F, The mRNA expression levels of several downstream targets of Wnt/ $\beta$ -catenin signalling were examined in the lincROR overexpressing SW620 cells with miR-145 or anti-miR-145 transfection. Data were shown as mean  $\pm$  SD (n = 3). \*, P < 0.05; \*\*, P < 0.01; \*\*\*, P < 0.001; versus the corresponding control group. Image collected and cropped by CiteAb from the following open publication (<https://dx.plos.org/10.1371/journal.pone.0312417>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Deng LQ, Li SY, Xie T et Al. LincROR promotes tumor growth of colorectal cancer through the miR-145/WNT2B/WNT10A/Wnt/ $\beta$ -catenin regulatory axis PLoS One 2024-11-15 [PMID: 39546475]



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### **Products Related to NBP1-76916**

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NBP1-76916PEP	Wnt-10a Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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