

Product Datasheet

Wnt-5a Antibody - BSA Free

NBP2-24752

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-24752

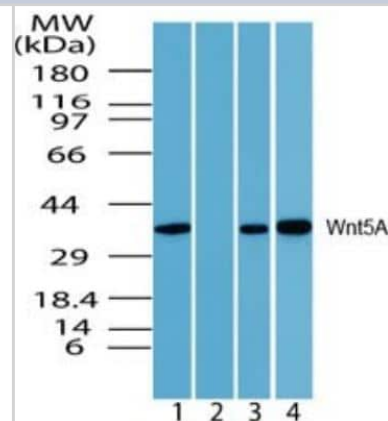
Wnt-5a Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS pH 8.5
Product Description	
Host	Rabbit
Gene ID	7474
Gene Symbol	WNT5A
Species	Human, Mouse, Rat, Bovine, Monkey
Reactivity Notes	The amino acid sequence used as immunogen is 90% homologous in newt (<i>Pleurodeles waltl</i>), and 88% in <i>Xenopus</i> and axolotl (<i>Ambystoma mexicanum</i>). Reactivity to <i>Petarus breviceps</i> reported in verified customer review.
Immunogen	A synthetic peptide corresponding to amino acids 190-230 of human Wnt-5a was used as the immunogen for this antibody, GenBank no NP_003383.2.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5-10 ug/ml, Immunohistochemistry-Frozen reported by customer review

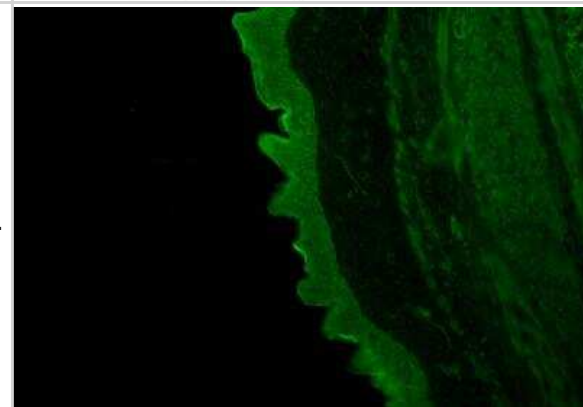


Images

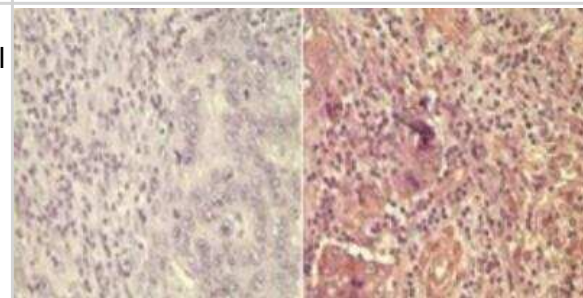
Western Blot: Wnt-5a Antibody [NBP2-24752] - Analysis of Wnt-5a in human heart lysate in the 1) absence, 2) presence of immunizing peptide, 3) mouse and 4) rat heart



Immunohistochemistry-Frozen: Wnt-5a Antibody [NBP2-24752] - P. breviceps epithelial expression of Wnt5a at 1:100 dilution. Tissue samples Cryo-section fixed (12um slices) in OCT, washed for 10min in PBT (PBS + 0.1% tween), blocked for 1hr in 3%BSA/PBS, and then incubated with the antibody overnight at 4C. The next day washed 3x for 10min in PBT and incubated for one hr in Alexa 488 (1:500), washed 3x10min in PBS, and coverslipped. Image from verified customer review.



Immunohistochemistry-Paraffin: Wnt-5a Antibody [NBP2-24752] - Analysis of Wnt-5a in FFPE human breast tumor using an isotype control (left) and Wnt-5a antibody (right)



Publications

Cameron S Anti-Cancer and Stress Response Pathway Effects of Nanosilver and Sodium Ascorbate Carleton University 2022-07-11 (WB, Human)

Sheng J Cellular Effects Nanosilver on Cancer and Non-cancer Cells: Potential Environmental and Human Health Impacts Thesis

Qian W, Yan Q, Jiang X Et al. Study of lncRNA TUG1/miR-320 in EPC Transplantation to Improve Lower Limb Ischemia and Promote Angiogenesis in Mice Research Square 2021-11-01 (WB, Mouse)

Illendula A, Fultang N, Peethambaran B Retinoic acid induces differentiation in neuroblastoma via ROR1 by modulating retinoic acid response elements Oncol. Rep. 2020-09-01 [PMID: 32705280] (WB, Human)

Kayalar O, Oztay F, Ongen HG Gastrin-releasing peptide induces fibrotic response in MRC5s and proliferation in A549s Cell Commun. Signal 2020-06-18 [PMID: 32552754] (WB, Human)

Zhang H, Yang X, Hu F et al. Expression Level of Wnt5a Was Related to the Therapeutic Effects of First-Generation EGFR-TKIs OTT 2020-06-01 [PMID: 32606756] (IF/IHC, Human)

Fultang N, Illendula A, Chen B et al. Strictinin, a novel ROR1-inhibitor, represses triple negative breast cancer survival and migration via modulation of PI3K/AKT/GSK3 beta activity PLoS ONE 2019-05-31 [PMID: 31150511] (WB, Human)

Lin CW Jan MS Kuo JH. Exploring MicroRNA Expression Profiles Related to the mTOR Signaling Pathway in Mouse Embryonic Fibroblast Cells Treated with Polyethylenimine. Mol Pharm. [PMID: 26158199]

Jung CK, Jung SH, Yim SH et al. Predictive microRNAs for lymph node metastasis in endoscopically resectable submucosal colorectal cancer. Oncotarget. 2016-05-31 [PMID: 27096956] (IF/IHC, Human)

Lim S, Becker A, Zimmer A et al. SNAI1-mediated epithelial-mesenchymal transition confers chemoresistance and cellular plasticity by regulating genes involved in cell death and stem cell maintenance. PLoS One. 2013-06-17 [PMID: 23799116]

Details:

Wnt-5A (IMG-6075). WB: Fig 5H. MCF10A cells stably transfected with SNAI1. Note: The specificity of the Wnt-5A was validated in Wnt5a treated MCF10A-SNAI1 by WB in Fig 5H.

Shi Y, Shu J, Gelman BB et al. Wnt signaling in the pathogenesis of human HIV-associated pain syndromes. J Neuroimmune Pharmacol. 2013-09-01 [PMID: 23737037]

Details:

Wnt-5a (IMG-6075). WB: Fig 1, human postmortem lumbar spinal cord dorsal horn (SDH). Wnt5a was detected between the 35 and 55 kDa markers primarily as a single band or as two bands. IHC (P): Fig 4, SDH. Wnt5a signals formed bright spots in the SDS and wer

Shi Y, Fu Y, Tong W et al. Uniaxial mechanical tension promoted osteogenic differentiation of rat tendon-derived stem cells (rTDSCs) via the Wnt5a-RhoA pathway. J Cell Biochem. 2012-10-01 [PMID: 22615126] (WB)

Details:

Wnt-5a (IMG-6075). WB: Figs 1A, 1C. Rat tendon-derived stem cells (rTDSCs). Wnt5a was detected at ~41kDa. Note: The specificity of the Wnt-5A was validated in Wnt5a-siRNA transfected rTDSCs by WB in Figs 1A, 1C.

More publications at <http://www.novusbio.com/NBP2-24752>





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Products Related to NBP2-24752

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-24752PEP	Wnt-5a Antibody Blocking Peptide

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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