

# Product Datasheet

## Wnt-7b Antibody - BSA Free

### NBP1-59564

Unit Size: 100 ul

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

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**NBP1-59564**

Wnt-7b Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, 2% Sucrose
Target Molecular Weight	36 kDa
Product Description	
Description	The addition of 50% glycerol is optional for those storing this antibody at -20C and not aliquoting smaller units. However, please note that glycerol may interrupt some downstream antibody applications and should be added with caution.
Host	Rabbit
Gene ID	7477
Gene Symbol	WNT7B
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 29871934)..
Immunogen	Synthetic peptides corresponding to WNT7B(wingless-type MMTV integration site family, member 7B) The peptide sequence was selected from the middle region of WNT7B (NP_478679) Peptide sequence WTTLPKFREVGHLLKEKYNAAVQVEVVRASRLRQPTFLRIKQLRSYQKPM. The peptide sequence for this immunogen was taken from within the described region.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1.0 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 4-8 ug/ml, Immunohistochemistry-Frozen
Application Notes	Use in Immunohistochemistry-Frozen reported in scientific literature (PMID25823570)

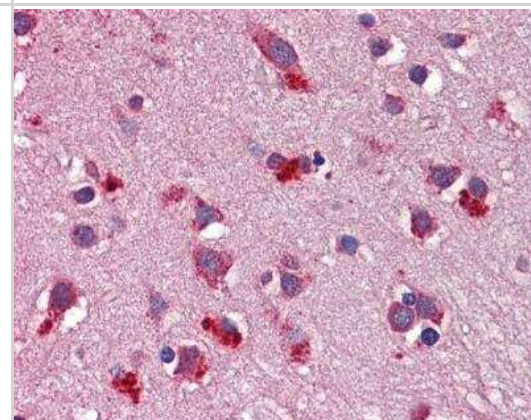


## Images

Western Blot: Wnt-7b Antibody [NBP1-59564] - Titration: 0.2-1 ug/ml,  
Positive Control: Human kidney.



Immunohistochemistry-Paraffin: Wnt-7b Antibody [NBP1-59564] -  
Human Brain, cortex tissue at an antibody concentration of 4-8ug/ml.



## Publications

Yu T, Zhou F, Tian W et al. EZH2 interacts with HP1BP3 to epigenetically activate WNT7B that promotes temozolomide resistance in glioblastoma *Oncogene* 2022-12-14 [PMID: 36517590] (WB, ICC/IF, Human)

Degirmenci B, Dincer C, Demirel H Et al. Epithelial Wnt secretion drives the progression of inflammation-induced colon carcinoma in murine model *iScience* 2021-10-01 [PMID: 34849464]

Liu J, Wu X et al. Prospective separation and transcriptome analyses of cortical projection neurons and interneurons based on lineage tracing by Tbr2 (Eomes)-GFP/Dcx-mRFP reporters. *Dev Neurobiol* 2016-01-06 [PMID: 26248544] (IF/IHC, Mouse)

Hill MA, Alexander WB, Guo B et al. Kras and Tp53 mutations cause cholangiocyte- and hepatocyte-derived cholangiocarcinoma *Cancer Res.* 2018-06-05 [PMID: 29871934] (Mouse)

Miyake M, Yamashiro K, Tabara Y et al. Identification of myopia-associated WNT7B polymorphisms provides insights into the mechanism underlying the development of myopia *Nat Commun* 2015-03-31 [PMID: 25823570] (IHC-Fr, Human)

Suo L, Sundberg Jp, Everts Hb. Dietary vitamin A regulates wntless-related MMTV integration site signaling to alter the hair cycle *Exp. Biol. Med.* (Maywood) et al. 2014-10-30 [PMID: 25361771] (IHC-P, Mouse)

### Details:

Wnt-7b antibody used for IHC-P on dorsal skin from C3H/HeJ mice fed with different doses of vitamin A in diet (Figure 1).



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### **Products Related to NBP1-59564**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
5036-WN-010	Wnt-3a [Unconjugated]

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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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