

ARG41698 anti-Wnt7b antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Wnt7b
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog, Gpig, Hrs, Pig
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Wnt7b
Species	Human
Immunogen	Synthetic peptide around the middle region of Human Wnt7b. (within the following region: WTTLPKFREVGHLLKEKYNAAVQVEVVRASRLRQPTFLRIKQLRSYQKPM)
Conjugation	Un-conjugated
Alternate Names	Protein Wnt-7b

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea pig: 86%; Horse: 100%; Pig: 100%; Rat: 100%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>5 µg/ml</td></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	5 µg/ml	WB	1 µg/ml
Application	Dilution						
IHC-P	5 µg/ml						
WB	1 µg/ml						
Application Note	IHC-P: Antigen Retrieval: Heat mediation was recommended. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	MCF7						
Observed Size	~ 36 kDa						

Properties

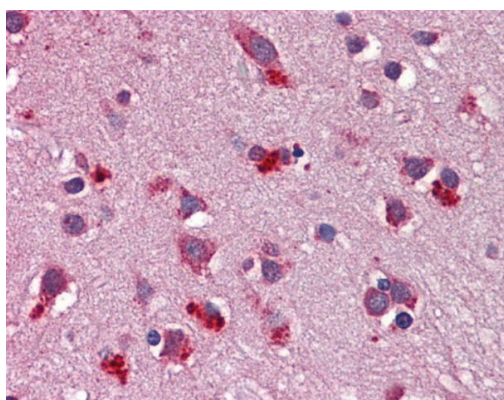
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

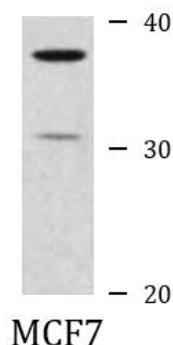
Gene Symbol	WNT7B
Gene Full Name	wingless-type MMTV integration site family, member 7B
Background	This gene is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Among members of the human WNT family, this gene product is most similar to WNT7A protein. [provided by RefSeq, Oct 2008]
Function	Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters (By similarity). [UniProt]
Calculated Mw	39 kDa
PTM	Palmitoleylation is required for efficient binding to frizzled receptors. Depalmitoleylation leads to Wnt signaling pathway inhibition. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. Secreted. [UniProt]

Images



ARG41698 anti-Wnt7b antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human cerebral cortex tissue. Antigen Retrieval: Heat mediation was recommended. The tissue section was stained with ARG41698 anti-Wnt7b antibody at 5 µg/ml dilution.



ARG41698 anti-Wnt7b antibody WB image

Western blot: MCF7 cell lysate stained with ARG41698 anti-Wnt7b antibody at 1 µg/ml dilution.

ARG41698 anti-Wnt7b antibody WB image

Western blot: Mouse spleen lysate stained with ARG41698 anti-Wnt7b antibody at 1 µg/ml dilution.

