

ARG41733 anti-Wnt7a antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Wnt7a
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Wnt7a
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 226-256 of Human Wnt7a. (YVLKDKYNEAVHVEPVRASRNKRPTFLKIKK)
Conjugation	Un-conjugated
Alternate Names	Protein Wnt-7a

Application Instructions

Application table	Application	Dilution
	FACS	1:500 / 1x10 ⁶ cells
	WB	1:1000 - 1:5000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 39 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 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.

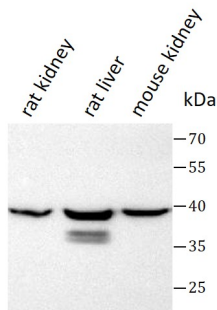
Bioinformation

Gene Symbol	WNT7A
Gene Full Name	wingless-type MMTV integration site family, member 7A
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. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzel phocomelia syndromes. [provided by RefSeq, Jul 2008]
Function	Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. Signaling by Wnt-7a allows sexually dimorphic development of the mullerian ducts (By similarity). [UniProt]
Calculated Mw	39 kDa
PTM	Palmitoylation is required for efficient binding to frizzled receptors. Depalmitoylation leads to Wnt signaling pathway inhibition. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. Secreted. [UniProt]

Images

ARG41733 anti-Wnt7a antibody WB image

Western blot: Rat kidney, Rat liver, Mouse kidney stained with ARG41733 anti-Wnt7a antibody at 1:1000 dilution.



ARG41733 anti-Wnt7a antibody FACS image

Flow Cytometry: PC-3 cells stained with ARG10766 anti-ABCB4 / MDR3 antibody ARG41733 anti-Wnt7a antibody at 1:500 dilution / 1×10^6 cells.

