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anti-WNT10B antibody (Middle Region)

2 Images



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Quantity:	100 μL
Target:	WNT10B
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT10B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human WNT10B
Sequence:	GTSGSCQFKT CWRAAPEFRA VGAALRERLG RAIFIDTHNR NSGAFQPRLR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against WNT10B. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	WNT10B

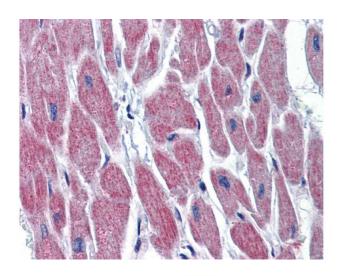
Target Details

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Alternative Name:	WNT10B (WNT10B Products)	
Background:	WNT10B is the ligand for members of the frizzled family of seven transmembrane receptors.	
	WNT10B is a probable developmental protein. It may be a signaling molecule which affects the	
	development of discrete regions of tissues. WNT10B is likely to signal over only few cell	
	diameters. The WNT gene family consists of structurally related genes which 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 a member of the WNT gene family. It may be involved in breast	
	cancer, and its protein signaling is likely a molecular switch that governs adipogenesis. This	
	protein is 96 % identical to the mouse Wnt10b protein at the amino acid level. This gene is	
	clustered with another family member, WNT1, in the chromosome 12q13 region.	
	Alias Symbols: WNT-12, SHFM6	
	Protein Interaction Partner: UBC,	
	Protein Size: 389	
Molecular Weight:	40 kDa	
Gene ID:	7480	
NCBI Accession:	NM_003394, NP_003385	
UniProt:	O00744	
Pathways:	WNT Signaling, Skeletal Muscle Fiber Development	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 389 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	
	sucrose.	
Preservative:	Sodium azide	

Handling

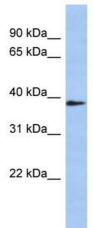
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Validation report #101227 for Western Blotting (WB)



Immunohistochemistry

Image 1.



Western Blotting

Image 2. WB Suggested Anti-WNT10B Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: Jurkat cell lysate