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Datasheet for ABIN501124 anti-WNT10B antibody (Center)

2 Images



Overview

Quantity:	0.1 mg
Target:	WNT10B
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT10B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Wnt10b antibody was raised against a 15 amino acid peptide from near the center of human Wnt10b.
lsotype:	lgG
Specificity:	This antibody detects WNT10B. The Wnt10b antibody will not cross-react with Wnt10a.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography
Target Details	

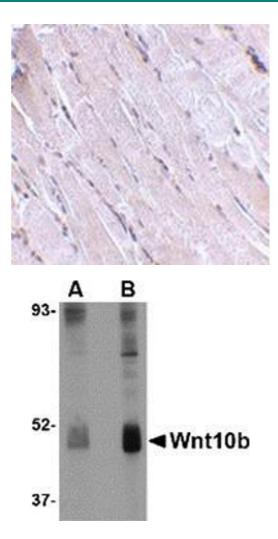
Target:

WNT10B

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Target Details	
Alternative Name:	WNT10B (WNT10B Products)
Background:	Wnt10b is a member of the Wnt family, a gene family that encodes secreted signaling proteins
	that play crucial roles in normal development such as regulation of cell fate and patterning
	during embryogenesis as well as neoplastic transformation. Wnt10b is found in the mouse
	mammary tumor virus insertion site where it is activated and causes mammary tumors.
	Elevated levels of Wnt10b have also been detected in human breast carcinomas. Wnt10b is
	known to be involved in adipogenesis, maintaining the preadipocyte in an undifferentiated state.
	More recently, Wnt10b has been shown to promote epithelial cell differentiation and hair shaft growth, demonstrating that Wnt10b has multiple roles in cell growth and differentiation. Two
	isoforms of Wnt10b are known to exist, this antibody will only recognize the longer
	isoform.Synonyms: Protein Wnt-10b, WNT12, Wnt-12
Gene ID:	7480
NCBI Accession:	NP_003385
Pathways:	WNT Signaling, Skeletal Muscle Fiber Development
Application Details	
Application Notes:	ELISA. Western blot. Immunohistochemistry on paraffin sections: 2 - 4 μ g/mL.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Wnt10b in human skeletal muscle with this product at $2.5 \,\mu$ g/ml.

Western Blotting

Image 2. Western blot analysis of Wnt10b in human skeletal muscle tissue lysate with this product at (A) 2 and (B) 4 μ g/ml.

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