OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA306582

WNT10B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 2 - 4 ug/mL, ICC: 2.5 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Wnt10b antibody was raised against a 15 amino acid peptide from near the center of human Wnt10b.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	Wnt family member 10B
Database Link:	NP_003385 Entrez Gene 22410 MouseEntrez Gene 315294 RatEntrez Gene 7480 Human O00744

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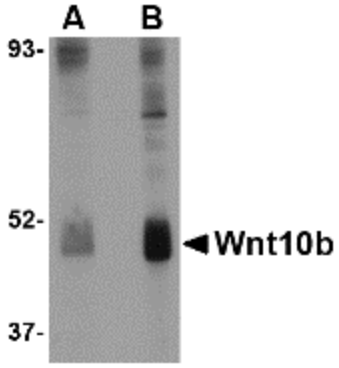
Background: Wnt10b is a member of the Wnt family, a gene family that encodes secreted signaling proteins that play crucial roles in normal development such as regulation of cell fate and patterning during embryogenesis as well as neoplastic transformation. Wnt10b is found in the mouse mammary tumor virus 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. This Wnt10b antibody will not cross-react with Wnt10a.

Synonyms: SHFM6; WNT-12

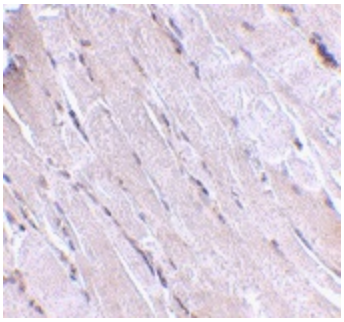
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway

Product images:



Western blot analysis of Wnt10b in human skeletal muscle tissue lysate with Wnt10b antibody at (A) 2 and (B) 4 ug/ml.



Immunohistochemistry of Wnt10b in human skeletal muscle with Wnt10b antibody at 2.5 ug/ml.