

Anti-Protein Wnt-10b Wnt10b Antibody

Catalog Number: A02574

About WNT10B

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.

Overview

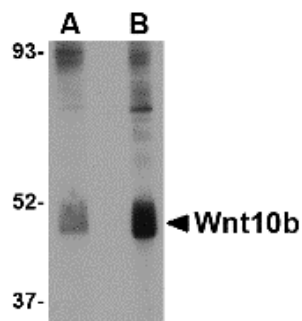
Product Name	Anti-Protein Wnt-10b Wnt10b Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein Wnt-10b Wnt10b Antibody (Catalog # A02574). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	Wnt10b Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Wnt10b antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O00744

Technical Details

Immunogen	Wnt10b antibody was raised against a 15 amino acid synthetic peptide from near the center of human Wnt10b. The immunogen is located within amino acids 130 - 180 of Wnt10b.
Predicted Reactive Species	Bovine
Cross Reactivity	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.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	Wnt10b Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Wnt10b antibody can be used for detection of Wnt10b by Western blot at 2 - 4 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Protein Wnt-10b Wnt10b Antibody (A02574) Images



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

1 Publications Citing This Product

1. PubMed ID: 33359712, An R,Wang X,Yang L,Zhang J,Wang N,Xu F,Hou Y,Zhang H,Zhang L. Polystyrene microplastics cause granulosa cells apoptosis and fibrosis in ovary through oxidative stress in rats.Toxicology.2020 Dec 24;449:152665. doi:10.1016/j.tox.2020.152665.Epub ahead of p

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