

Anti-Protein Wnt-10a Wnt10a Antibody

Catalog Number: A03479

About WNT10A

Wnt10a 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. Elevated levels of Wnt10a have been detected in several human tumors and cancer cell lines including colorectal cancer and chronic lymphocytic leukemia and it has been suggested that uncontrolled Wnt signaling may contribute to the defect in apoptosis that characterizes these malignancies. Recently, a mutation in Wnt10a was found to be associated with odonto-onycho-dermal dysplasia, an autosomal recessive ectodermal dysplasia.

Overview

Product Name	Anti-Protein Wnt-10a Wnt10a Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protein Wnt-10a Wnt10a Antibody (Catalog # A03479). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Wnt10a Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Wnt10a antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9GZT5

Technical Details

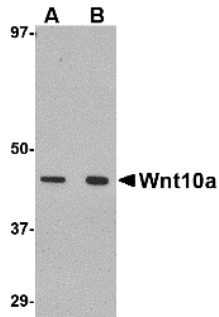
Immunogen	Wnt10a antibody was raised against a 14 amino acid synthetic peptide from near the carboxy terminus of human Wnt10a. The immunogen is located within amino acids 300 - 350 of Wnt10a.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	This Wnt10a antibody is predicted to not cross-react with Wnt10b.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	Wnt10a Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

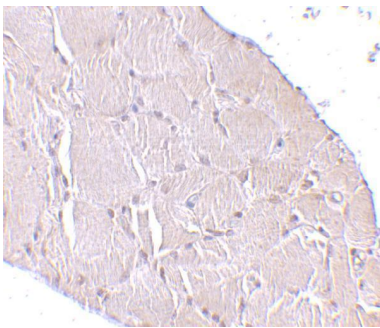
Wnt10a antibody can be used for detection of Wnt10a by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human and mouse samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

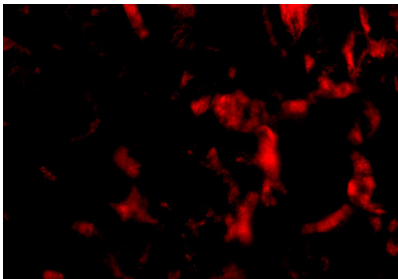
Anti-Protein Wnt-10a Wnt10a Antibody (A03479) Images



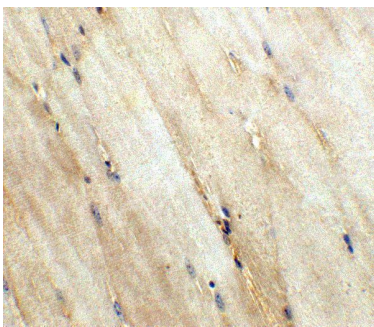
Western blot analysis of Wnt10a in RAW264.7 cell lysate with Wnt10a antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of Wnt10a in human skeletal muscle tissue with Wnt10a antibody at 10 ug/mL.



Immunofluorescence of Wnt10a in Human Skeletal Muscle tissue with Wnt10a antibody at 20 ug/mL.



Immunohistochemistry of Wnt10a in mouse skeletal muscle tissue with Wnt10a antibody at 5 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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