

Anti-Ran-binding protein 10 RANBP10 Antibody

Catalog Number: A09936

About RANBP10

The RAN binding protein 10 (RANBP10) is a cytoplasmic guanine nucleotide exchange factor that shares high sequence similarity to the MET-interacting protein RANBP9. RANBP10 is expressed in the cytoplasm of mature megakaryocytes (MKs) and platelets where it localizes to polymerized noncentrosomal microtubules. RANBP10 possesses guanine nucleotide exchange factor activity towards RAN, a GTPase involved in nucleocytoplasmic traffic, spindle formation at mitosis, and nuclear envelope assembly during telophase, suggesting that RANBP10 may also be involved in these activities. RANBP10 depletion in vitro caused the disturbance of polymerized filaments in MKs and platelets in RANBP10-null mice exhibited disorders in microtubule filament numbers and localization, indicating that RANBP10 may play a significant role in maintaining microtubule dynamics.

Overview

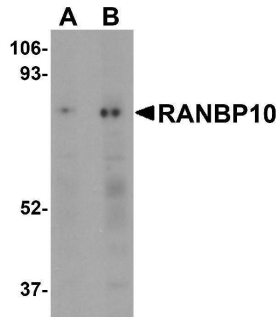
Product Name	Anti-Ran-binding protein 10 RANBP10 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Ran-binding protein 10 RANBP10 Antibody (Catalog # A09936). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RANBP10 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RANBP10 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	Q6VN20

Technical Details

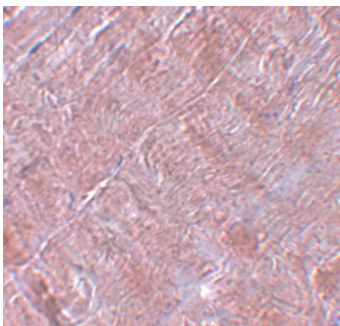
Immunogen	RANBP10 antibody was raised against a 15 amino acid synthetic peptide near the center of human RANBP10. The immunogen is located within amino acids 380 - 430 of RANBP10.
Predicted Reactive Species	Bovine, Mouse
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	RANBP10 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RANBP10 antibody can be used for detection of RANBP10 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 human samples; Immunohistochemistry in human samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

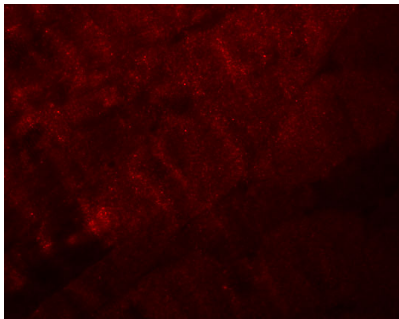
Anti-Ran-binding protein 10 RANBP10 Antibody (A09936) Images



Western blot analysis of RANBP10 in human skeletal muscle tissue lysate with RANBP10 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of RANBP10 in human skeletal muscle tissue with RANBP10 antibody at 5 ug/mL.



Immunofluorescence of RANBP10 in mouse skeletal muscle tissue with RANBP10 antibody at 20 ug/mL.

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