Product Datasheet

RANBP10 Antibody

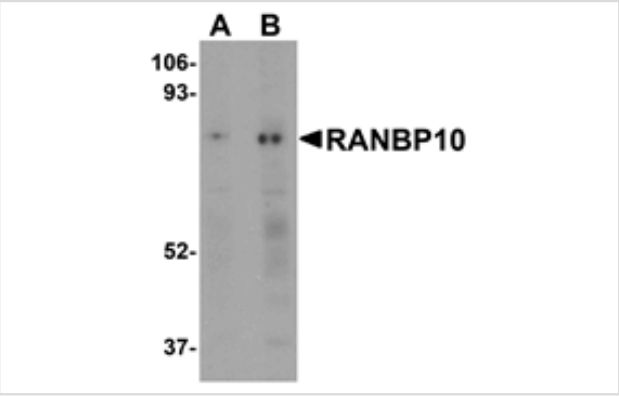
Catalog No: #25081

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

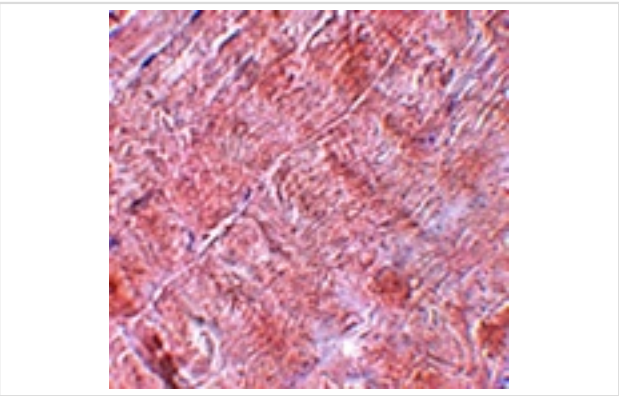
Description

Product Name	RANBP10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide near the center of human RANBP10.
Target Name	RANBP10
Other Names	RAN binding protein 10
Accession No.	Swiss-Prot:Q6VN20Gene ID:57610
Uniprot	Q6VN20
GeneID	57610;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

Background

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.

Note: This product is for in vitro research use only