
Product Name: KD-Validated RAN Binding Protein 9 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01307**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 77.8kDa

Antigen Information

Gene Name	RANBP9 RANBP9; RAN Binding Protein 9; RANBPM; Ran Binding Protein In The Microtubule
Alternative Names	Organizing Center; Ran-Binding Protein 9; Ran-Binding Protein M; RanBPM; RanBP7; BPM-L; BPM90; Novel Centrosomal Protein RanBPM; Ran Binding Protein, Centrosomal; RanBP9
Gene ID	10048.0
SwissProt ID	Q96S59
Immunogen	A synthesized peptide derived from human RanBP9

Background

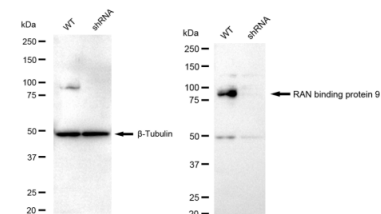
This gene encodes a protein that binds RAN, a small GTP binding protein belonging to the RAS superfamily that is essential for

the translocation of RNA and proteins through the nuclear pore complex. The protein encoded by this gene has also been shown to interact with several other proteins, including met proto-oncogene, homeodomain interacting protein kinase 2, androgen receptor, and cyclin-dependent kinase 11. [provided by RefSeq, Jul 2008]

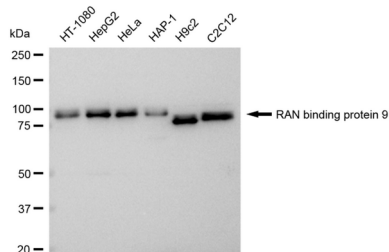
Research Area

Signal Transduction, Epigenetics and Nuclear Signaling

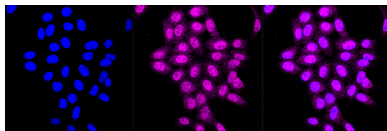
Image Data



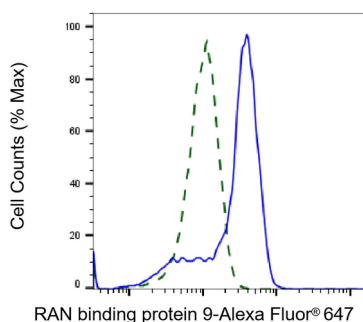
Western blotting analysis using RAN binding protein 9 antibody (KVA01307). RAN binding protein 9 expression in wild type (WT) and RAN binding protein 9 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with RAN binding protein 9 antibody (KVA01307, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



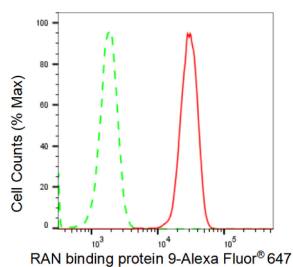
Western blotting analysis using RAN binding protein 9 antibody (KVA01307). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAN binding protein 9 antibody (KVA01307, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with RAN binding protein 9 antibody (KVA01307, 1:1,000). Nuclei were stained blue with DAPI; RAN binding protein 9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of RAN binding protein 9 knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with RAN binding protein 9 antibody (KVA01307, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of RAN binding protein 9 expression in HepG2 cells using RAN binding protein 9 antibody (KVA01307, 1:2,000). Green, isotype control; red, RAN binding protein 9.