

Product Name: KD-Validated RALB Mouse Monoclonal Antibody**Catalog #: KVA01150**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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: 23.4kDa

Antigen Information

Gene Name	RALB
Alternative Names	RALB; RAS Like Proto-Oncogene B; Ras Related GTP Binding Protein B; Ras-Related Protein
	Ral-B; V-Ral Simian Leukemia Viral Oncogene Homolog B (Ras Related; GTP Binding Protein);
	V-Ral Simian Leukemia Viral Oncogene Homolog B; RALB Ras Like Proto-Oncogene B; RAS-Like Protein B; EC 3.6.5.2
Gene ID	5899.0
SwissProt ID	P11234
Immunogen	Recombinant protein of human RALB

Background

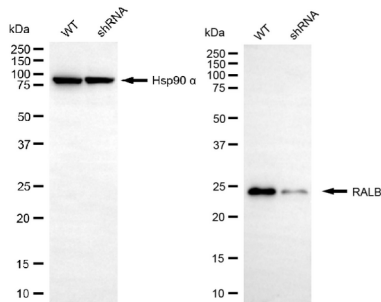
This gene encodes a GTP-binding protein that belongs to the small GTPase superfamily and Ras family of proteins. GTP-binding

proteins mediate the transmembrane signaling initiated by the occupancy of certain cell surface receptors. [provided by RefSeq, Jul 2008]

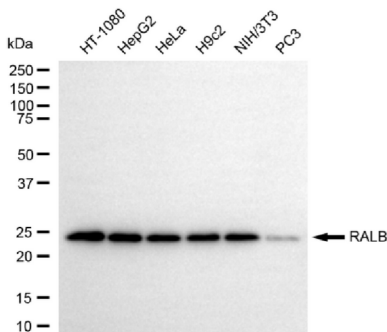
Research Area

Cancer, Signal Transduction

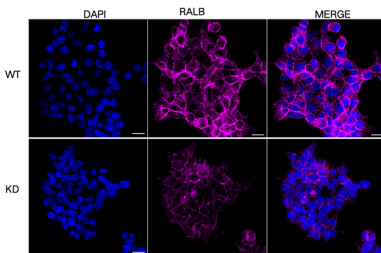
Image Data



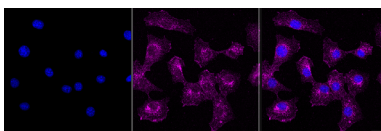
Western blotting analysis using RALB antibody (KVA01150). RALB expression in wild-type (WT) and RALB shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RALB antibody (KVA01150, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



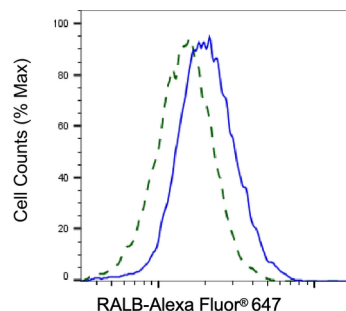
Western blotting analysis using RALB antibody (KVA01150). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RALB antibody (KVA01150, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using RALB antibody (KVA01150, 1:1,000), Top panel: wild-type (WT); Bottom panel: RALB shRNA knockdown (KD). Nuclei were stained blue with DAPI; RALB was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of C2C12 cells with RALB antibody (KVA01150, 1:1,000). Nuclei were stained blue with DAPI; RALB 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 RALB knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with RALB antibody (KVA01150, 1:2,000) and analyzed using BD flow cytometer.

