

Product Name: KD-Validated RAC1 Mouse Monoclonal Antibody**Catalog #: KVA01874**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
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 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:4,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 21.5kDa

Antigen Information

Gene Name	RAC1
Alternative Names	RAC1; Rac Family Small GTPase 1; P21-Rac1; TC-25; Rac-1; Ras-Related C3 Botulinum Toxin Substrate 1 (Rho Family, Small GTP Binding Protein Rac1); Ras-Related C3 Botulinum Toxin Substrate 1; Cell Migration-Inducing Gene 5 Protein; Ras-Like Protein TC25; EC 3.6.5.2; MRD48; MIG5; TC25
Gene ID	5879.0
SwissProt ID	P63000
Immunogen	A synthesized peptide derived from human RAC1

Background

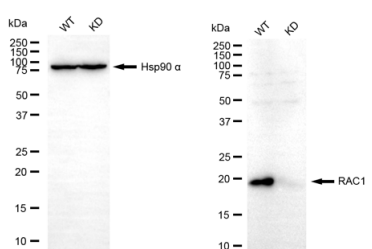
The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members

of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

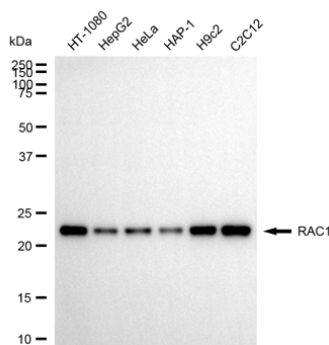
Research Area

Cell Biology, Signal Transduction, Epigenetics and Nuclear Signaling, Neuroscience

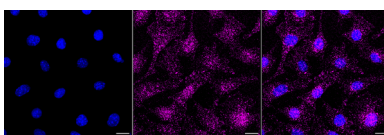
Image Data



Western blotting analysis using RAC1 antibody (KVAb01874). RAC1 expression in wild-type (WT) and RAC1 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RAC1 antibody (KVAb01874, 1:4,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using RAC1 antibody (KVAb01874). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAC1 antibody (KVAb01874, 1:4,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with RAC1 antibody (KVAb01874, 1:1,000). Nuclei were stained blue with DAPI; RAC1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Low. Scale bar, 20 µm.