
Product Name: KD-Validated RAC3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01747**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,M
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: 21.4kDa

Antigen Information

Gene Name	RAC3
Alternative Names	RAC3; Rac Family Small GTPase 3; Ras-Related C3 Botulinum Toxin Substrate 3 (Rho Family, Small GTP Binding Protein Rac3); Ras-Related C3 Botulinum Toxin Substrate 3; P21-Rac3; Rho Family, Small GTP Binding Protein Rac3; EC 3.6.5.2
Gene ID	5881.0
SwissProt ID	P60763
Immunogen	A synthesized peptide derived from human RAC3

Background

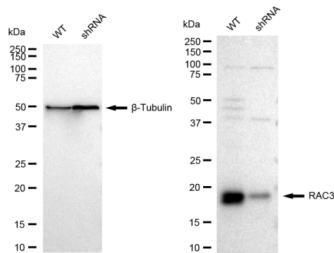
The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal

reorganization, and the activation of protein kinases. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

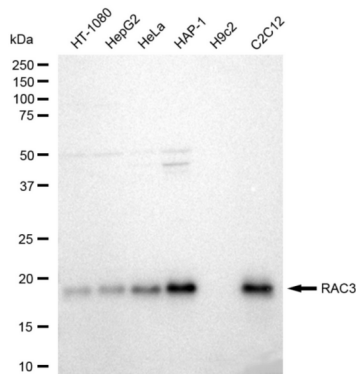
Research Area

Signal Transduction, Cancer

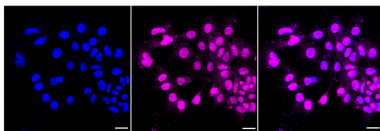
Image Data



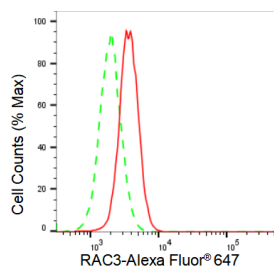
Western blotting analysis using RAC3 antibody (KVA01747). RAC3 expression in wild type (WT) and RAC3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with RAC3 antibody (KVA01747, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using RAC3 antibody (KVA01747). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RAC3 antibody (KVA01747, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with RAC3 antibody (KVA01747, 1:1,000). Nuclei were stained blue with DAPI; RAC3 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.



Flow cytometric analysis of RAC3 expression in HAP-1 cells using RAC3 antibody (KVA01747, 1:2,000). Green, isotype control; red, RAC3.