

Product Name: KD-Validated MRAS Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01752**

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: 23.8kDa

Antigen Information

Gene Name	MRAS
Alternative Names	MRAS; Muscle RAS Oncogene Homolog; RRAS3; R-RAS3; Ras-Related Protein R-Ras3; Ras-Related Protein M-Ras; M-RAS; Muscle And Microspikes RAS; EC 3.6.5.2; M-RAS; NS11
Gene ID	22808.0
SwissProt ID	O14807
Immunogen	A synthesized peptide derived from human Mras

Background

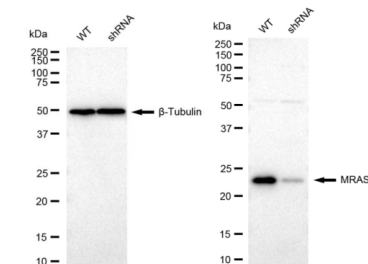
This gene encodes a member of the Ras family of small GTPases. These membrane-associated proteins function as signal transducers in multiple processes including cell growth and differentiation, and dysregulation of Ras signaling has been associated with many types of cancer. The encoded protein may play a role in the tumor necrosis factor-alpha and MAP kinase

signaling pathways. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
[provided by RefSeq, Nov 2011]

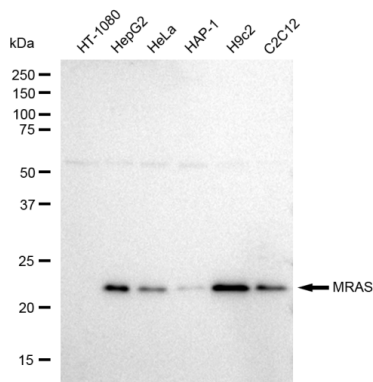
Research Area

Signal Transduction, Cancer

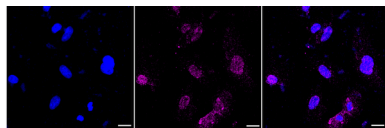
Image Data



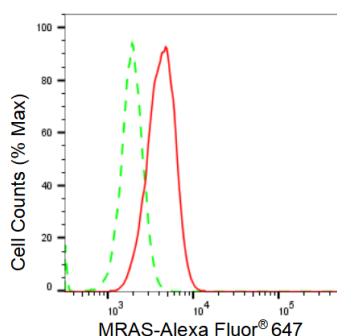
Western blotting analysis using MRAS antibody (KVA01752). MRAS expression in wild type (WT) and MRAS shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with MRAS antibody (KVA01752, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MRAS antibody (KVA01752). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MRAS antibody (KVA01752, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with MRAS antibody (KVA01752, 1:1,000). Nuclei were stained blue with DAPI; MRAS 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 μ m.



Flow cytometric analysis of MRAS expression in H9c2 cells using MRAS antibody (KVA01752, 1:2,000). Green, isotype control; red, MRAS.