
Product Name: KD-Validated RRAS2 Mouse Monoclonal Antibody**Catalog #: KVA01865**

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 IgG1 kappa
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 1:500-1:2,500; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 23.4kDa

Antigen Information

Gene Name	RRAS2
Alternative Names	RRAS2; RAS Related 2; TC21; Related RAS Viral (R-Ras) Oncogene Homolog 2; Ras-Related Protein R-Ras2; Teratocarcinoma Oncogene; Ras-Like Protein TC21; EC 3.6.5.2; NS12
Gene ID	22800.0
SwissProt ID	P62070
Immunogen	Recombinant protein of human RRAS2

Background

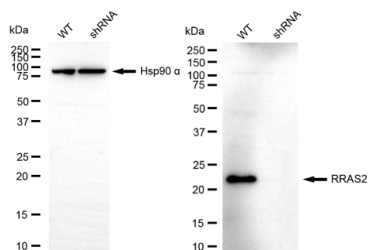
This gene encodes a member of the R-Ras subfamily of Ras-like small GTPases. The encoded protein associates with the plasma membrane and may function as a signal transducer. This protein may play an important role in activating signal transduction pathways that control cell proliferation. Mutations in this gene are associated with the growth of certain tumors. Pseudogenes

of this gene are found on chromosomes 1 and 2. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]

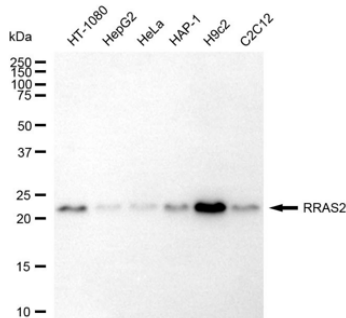
Research Area

Signal Transduction, Cancer

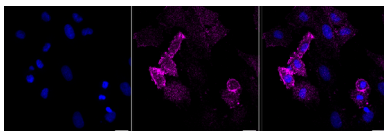
Image Data



Western blotting analysis using RRAS2 antibody (KVA01865). RRAS2 expression in wild-type (WT) and RRAS2 shRNA knockdown (KD) HepG2 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with RRAS2 antibody (KVA01865, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using RRAS2 antibody (KVA01865). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with RRAS2 antibody (KVA01865, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of H9c2 cells with RRAS2 antibody (KVA01865, 1:1,000). Nuclei were stained blue with DAPI; RRAS2 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.