10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

BRAP Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52816

Product Information

Application	WB
Primary Accession	Q7Z569
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	67305

Additional Information

Gene ID	8315
Other Names	3010002G07Rik;BRAP2;BRCA1 associated protein;EC 6.3.2.;Galectin 2 binding protein;IMP; Impedes mitogenic signal propagation;Renal carcinoma antigen NY REN 63; RING finger protein 52;RNF52;zgc:92894.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	BRAP (HGNC:1099)
Synonyms	RNF52
Function	Negatively regulates MAP kinase activation by limiting the formation of Raf/MEK complexes probably by inactivation of the KSR1 scaffold protein. Also acts as a Ras responsive E3 ubiquitin ligase that, on activation of Ras, is modified by auto-polyubiquitination resulting in the release of inhibition of Raf/MEK complex formation. May also act as a cytoplasmic retention protein with a role in regulating nuclear transport.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in breast epithelial cell lines.

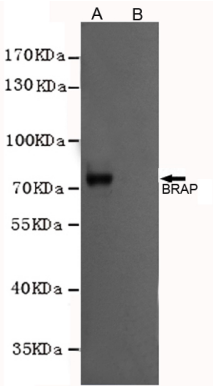
Background

Negatively regulates MAP kinase activation by limiting the formation of Raf/MEK complexes probably by inactivation of the KSR1 scaffold protein. Also acts as a Ras responsive E3 ubiquitin ligase that, on activation of Ras, is modified by auto- polyubiquitination resulting in the release of inhibition of Raf/MEK complex formation. May also act as a cytoplasmic retention protein with a role in regulating nuclear transport.

References

Li S.,et al.J. Biol. Chem. 273:6183-6189(1998).
Matheny S.A.,et al.Nature 427:256-260(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of extracts from CHO-K1 cells, transfected with a human pFLAG-CMV2-BRAP construct (A) or transfected with a human pFLAG-CMV2 construct (B), using BRAP mouse mAb (1:1000 diluted).