

ARG57574 anti-RRAS2 / TC21 antibody [EM-50]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [EM-50] recognizes RRAS2 / TC21
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF
Specificity	The antibody recognizes RRAS2 / TC21 protein and does not react with RRAS1, H-Ras, K-Ras, and N-Ras.
Host	Mouse
Clonality	Monoclonal
Clone	EM-50
Isotype	IgG1
Target Name	RRAS2 / TC21
Species	Human
Immunogen	Human TC21.
Conjugation	Un-conjugated
Alternate Names	TC21; Teratocarcinoma oncogene; Ras-related protein R-Ras2; Ras-like protein TC21

Application Instructions

Application table	Application	Dilution
	FACS	1 - 4 µg/ml
	ICC/IF	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

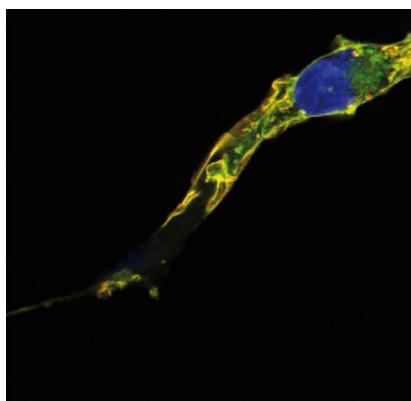
Properties

Form	Liquid
Purification	Purification with Protein A.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide.
Preservative	15mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

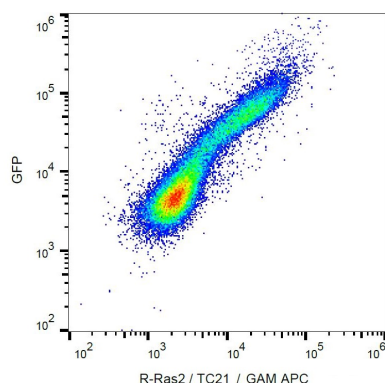
Gene Symbol	RRAS2
Gene Full Name	RRAS2
Background	This gene encodes a member of the R-Ras subfamily of Ras-like small GTPases. The encoded protein associates with the plasma membrane and may function as a signal transducer. This protein may play an important role in activating signal transduction pathways 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]
Function	It is a plasma membrane-associated GTP-binding protein with GTPase activity. Might transduce growth inhibitory signals across the cell membrane, exerting its effect through an effector shared with the Ras proteins but in an antagonistic fashion. [UniProt]
Calculated Mw	23 kDa
PTM	May be post-translationally modified by both palmitoylation and polyisoprenylation. [UniProt]

Images



ARG57574 anti-RRAS2 / TC21 antibody [EM-50] ICC/IF image

Immunofluorescence: Colocalization of RRAS2 / TC21 signal (red) and GFP signal (green) in COS cells transfected with RRAS2 / TC21-GFP construct, after fixation and permeabilization. RRAS2 / TC21 was detected using ARG57574 anti-RRAS2 / TC21 antibody [EM-50].



ARG57574 anti-RRAS2 / TC21 antibody [EM-50] FACS image

Flow Cytometry: RRAS2-GFP transfected HEK293 cells stained with ARG57574 anti-RRAS2 / TC21 antibody [EM-50], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.