Datasheet for ABIN5526909

anti-RRAS2 antibody

3 Images

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Overview

Quantity:	0.1 mg
Target:	RRAS2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RRAS2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Human TC21
Clone:	EM-50
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody EM-50 recognizes R-Ras2 / TC21 protein (intracellular antigen) and does not react with R-Ras1, H-Ras, K-Ras, and N-Ras.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	RRAS2

Target Details

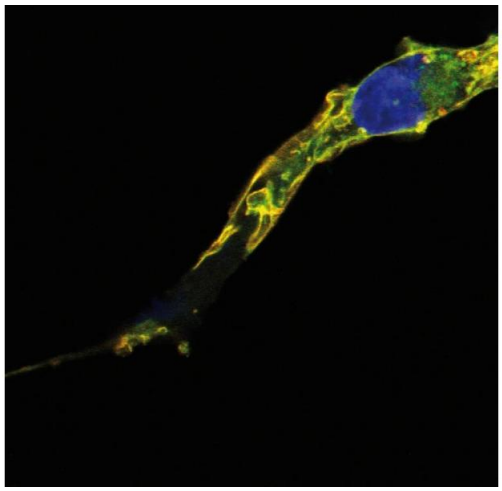
Alternative Name:	R-Ras2 / TC21 (RRAS2 Products)
Background:	RAS related 2,R-Ras2 / TC21 is the only member of R-Ras family of small GTPases that shows transforming activities similar to H-Ras, N-Ras, and K-Ras, and it is also structurally similar to them. R-Ras2 seems to play an important role in activating signal transduction pathways that control cell proliferation. Its mutations are associated with the growth of certain tumors, but also overexpression of the wild type form of R-Ras2 has been frequently detected in various carcinomas. Pseudogenes of R-Ras2 gene are found on chromosomes 1 and 2. Alternate splicing results in multiple transcript variants.,TC21, RRAS2
Gene ID:	22800
UniProt:	P62070

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

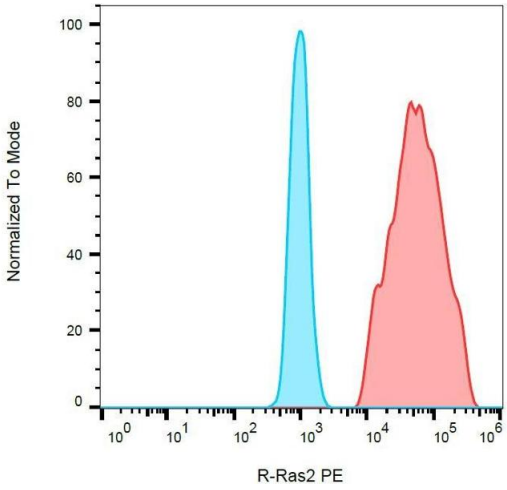
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



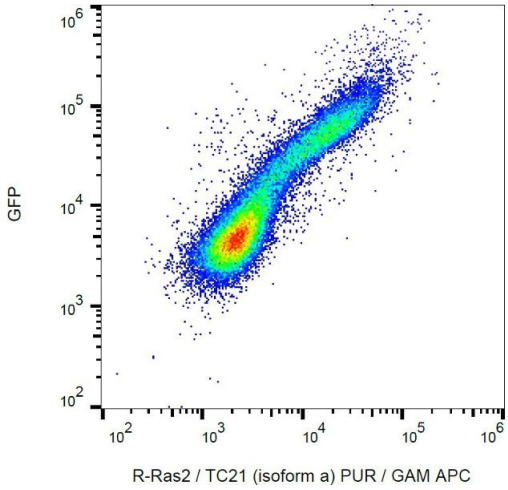
Immunocytochemistry

Image 1. Immunocytochemistry analysis of colocalization of R-Ras2/TC21 signal (red) and GFP signal (green) in COS cells transfected with R-Ras2/TC21-GFP construct, after fixation and permeabilization. R-Ras2/TC21 was detected using monoclonal antibody EM-50, purified.



Flow Cytometry

Image 2. Intracellular staining of R-Ras2/TC21 in HEK-293 R-Ras2-GFP transfectants using monoclonal antibody EM-50, purified / GAM-APC.



Flow Cytometry

Image 3. Flow cytometry analysis (intracellular staining) of R-Ras2/TC21 in HEK-293 R-Ras2-GFP transfectants using monoclonal antibody EM-50, purified / GAM-APC.

