

Anti-R-RAS2 Purified Monoclonal Antibody

Catalog Number: M04117

About RRAS2

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.

Overview

Product Name	Anti-R-RAS2 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-R-RAS2 Purified Monoclonal Antibody (Catalog# M04117). Tested in Flow Cytometry, WB, ELISA, ICC application(s). This antibody reacts with Human.
Application	ELISA, Flow Cytometry, ICC, WB
Clonality	Monoclonal EM-50
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P62070

Technical Details

Immunogen	Human TC21. 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.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Flow cytometry: 1-4 ug/ml. Intracellular staining.

Anti-R-RAS2 Purified Monoclonal Antibody (M04117) Images

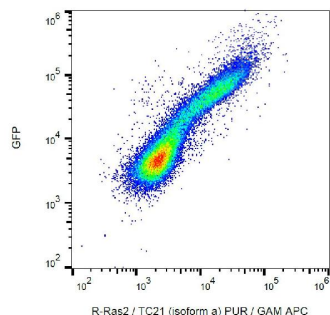


Figure 2. Flow Cytometry validation of RRAS2 using Anti-R-RAS2 Purified Monoclonal Antibody (M04117).

Flow cytometry analysis (intracellular staining) of R-Ras2/TC21 in HEK-293 R-Ras2-GFP transfectants using monoclonal antibody EM-50

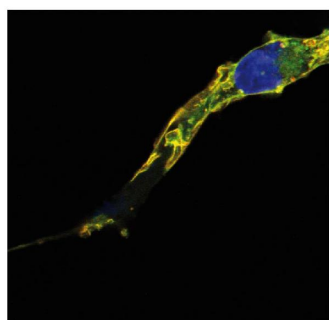


Figure 1. Immunocytochemistry staining of RRAS2 using Anti-R-RAS2 Purified Monoclonal Antibody (M04117).

Immunocytochemistry analysis of colocalization of R-Ras2/TC21 signal (red) and GFP signal (green) in COS cells transfected with R-Ras2/TC21-GFP construct

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