

Product datasheet

PE Anti-TC21 antibody [EM-50] ab230662

[1 Image](#)

Overview

Product name	PE Anti-TC21 antibody [EM-50]
Description	PE Mouse monoclonal [EM-50] to TC21
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt (Intra)
Species reactivity	Reacts with: Human
Immunogen	Full length protein corresponding to Human TC21. Database link: P62070
Positive control	Flow Cyt (Intra): HEK-293 TC21 transfectants.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	Purified from TCS. Purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Clonality	Monoclonal
Clone number	EM-50
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab230662 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use a concentration of 1 - 4 µg/ml.

Target

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.

Tissue specificity

Ubiquitously present in all tissues examined, with the highest levels in heart, placenta, and skeletal muscle. Moderate levels in lung and liver; low levels in brain, kidney, and pancreas.

Involvement in disease

Ovarian cancer

Sequence similarities

Belongs to the small GTPase superfamily. Ras family.

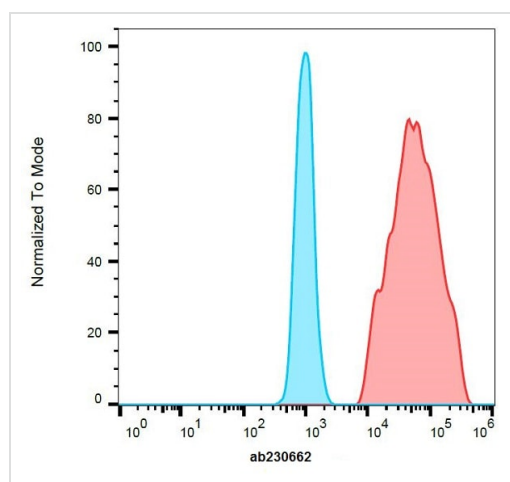
Post-translational modifications

May be post-translationally modified by both palmitoylation and polyisoprenylation.

Cellular localization

Cell membrane. Inner surface of plasma membrane possibly with attachment requiring acylation of the C-terminal cysteine (By similarity with RAS).

Images



Flow cytometric analysis (intracellular staining) of HEK-293 (human epithelial cell line from embryonic kidney) TC21 transfectants labeling TC21 with ab230662 (Red) at 1 µg/ml.

Flow Cytometry (Intracellular) - PE Anti-TC21 antibody [EM-50] (ab230662)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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