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Datasheet for ABIN1392124

**anti-GFR antibody (AA 151-250) (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	GFR (RAPGEF5)
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GFR antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human RAPGEF5
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

## Target Details

Target:	GFR (RAPGEF5)
Alternative Name:	RAPGEF5/Repac ( <a href="#">RAPGEF5 Products</a> )
Background:	Synonyms: GFR, Guanine nucleotide exchange factor for Rap1, KIAA0277, M Ras regulated Rap

## Target Details

GEF, M-Ras-regulated Rap GEF, MR GEF, MR-GEF, MRGEF, Rap guanine nucleotide exchange factor 5, Rapgef5, Related to Epac, Repac, RPF5\_HUMAN.

Background: Members of the RAS subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states.

Guanine nucleotide exchange factors (GEFs), such as Repac, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation. Repac, also known as Rap guanine nucleotide exchange factor 5 (RAPGEF5), is a 580 amino acid protein that is expressed in brain and testis, with weaker expression in heart, placenta, lung, pancreas and small intestine.

Existing as two alternatively spliced isoforms, the Repac gene is conserved in cow, mouse and rat. The gene that encodes Repac maps to human chromosome 7p15.3, with high expression of this region linking to positive response to erlotinib therapy for those with non-small-cell lung cancer.

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months