For Research Use Only

CoraLite®594-conjugated RACK1; GNB2L1 Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL594-66940 1 Publications

Basic Information

Catalog Number:
CL594-66940

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG26708

GenBank Accession Number:
BC019093

GeneID (NCBI):
10399

UNIPROT ID:
P63244

Full Name:
guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1

Calculated MW:
36 kDa

Purification Method:
Protein A purification

CloneNo.:
1E11A7

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Cited Applications:
IF

Species Specificity:
Human

Cited Species:
mouse

Positive Controls:

IF/ICC : HeLa cells,

Background Information

Members of the protein kinase C (PKC) family play a key regulatory role in a variety of cellular functions, including cell growth and differentiation, gene expression, hormone secretion and membrane function. RACK1 (receptor for activated protein kinase C 1), encoded by GNB2L1 gene, is a 317 amino acid guanine nucleotide-binding protein subunit beta-2-like 1 protein which is involved in the recruitment, assembly and/or regulation of a variety of signaling molecules, it contains 7 WD-repeats and is implicated in various protein interaction activities. RACK1 is a component of the 40S ribosomal subunit involved in translational repression. Recent finding suggests that RACK1 may be a new promising diagnosis biomarker and therapeutic target for non-small-cell lung cancer (NSCLC).

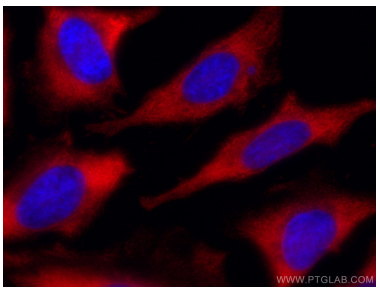
Notable Publications

Author	Pubmed ID	Journal	Application
Jinrong Ran	37684678	Vet Res	IF

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 RACK1; GNB2L1 antibody (CL594-66940, Clone: 1E11A7) at dilution of 1:200.