Datasheet for ABIN7167458

anti-GNB2L1 antibody (AA 93-317) (Biotin)

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Overview

Quantity:	100 µL
Target:	GNB2L1
Binding Specificity:	AA 93-317
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNB2L1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Receptor of activated protein C kinase 1 protein (93-317AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GNB2L1
Alternative Name:	RACK1 (GNB2L1 Products)
Background:	Background: Involved in the recruitment, assembly and/or regulation of a variety of signaling molecules. Interacts with a wide variety of proteins and plays a role in many cellular processes.

Component of the 40S ribosomal subunit involved in translational repression (PubMed:23636399). Involved in the initiation of the ribosome quality control (RQC), a pathway that takes place when a ribosome has stalled during translation, by promoting ubiquitination of a subset of 40S ribosomal subunits (PubMed:28132843). Binds to and stabilizes activated protein kinase C (PKC), increasing PKC-mediated phosphorylation. May recruit activated PKC to the ribosome, leading to phosphorylation of EIF6. Inhibits the activity of SRC kinases including SRC, LCK and YES1. Inhibits cell growth by prolonging the G0/G1 phase of the cell cycle. Enhances phosphorylation of BMAL1 by PRKCA and inhibits transcriptional activity of the BMAL1-CLOCK heterodimer. Facilitates ligand-independent nuclear translocation of AR following PKC activation, represses AR transactivation activity and is required for phosphorylation of AR by SRC. Modulates IGF1R-dependent integrin signaling and promotes cell spreading and contact with the extracellular matrix. Involved in PKC-dependent translocation of ADAM12 to the cell membrane. Promotes the ubiquitination and proteasome-mediated degradation of proteins such as CLEC1B and HIF1A. Required for VANGL2 membrane localization, inhibits Wnt signaling, and regulates cellular polarization and oriented cell division during gastrulation. Required for PTK2/FAK1 phosphorylation and dephosphorylation. Regulates internalization of the muscarinic receptor CHRM2. Promotes apoptosis by increasing oligomerization of BAX and disrupting the interaction of BAX with the anti-apoptotic factor BCL2L. Inhibits TRPM6 channel activity. Regulates cell surface expression of some GPCRs such as TBXA2R. Plays a role in regulation of FLT1-mediated cell migration. Involved in the transport of ABCB4 from the Golgi to the apical bile canalicular membrane (PubMed:19674157). Promotes migration of breast carcinoma cells by binding to and activating RHOA (PubMed:20499158).

Aliases: Cell proliferation-inducing gene 21 protein antibody, GBLP_HUMAN antibody, Gnb2-rs1 antibody, Gnb2l1 antibody, Guanine nucleotide binding protein (G protein) beta polypeptide 2 like 1 antibody, Guanine nucleotide binding protein beta polypeptide 2 like 1 antibody, Guanine nucleotide binding protein beta subunit 2 like 1 antibody, Guanine nucleotide binding protein beta subunit like protein 12.3 antibody, Guanine nucleotide binding protein subunit beta 2 like 1 antibody, Guanine nucleotide binding protein subunit beta like protein 12.3 antibody, Guanine nucleotide-binding protein subunit beta-2-like 1 antibody, Guanine nucleotide-binding protein subunit beta-like protein 12.3 antibody, H12.3 antibody, HLC-7 antibody, Human lung cancer oncogene 7 protein antibody, lung cancer oncogene 7 antibody, OTTHUMP00000223704 antibody, OTTHUMP00000223870 antibody, OTTHUMP00000223891 antibody, OTTHUMP00000223893 antibody, OTTHUMP00000223900 antibody, OTTHUMP00000223902 antibody, OTTHUMP00000223930 antibody, OTTHUMP00000223931 antibody, PIG21 antibody, Proliferation inducing gene 21 antibody, Protein homologous to chicken B complex protein

Target Details

	guanine nucleotide binding antibody, RACK1 antibody, Receptor for activated C kinase 1 antibody, Receptor for activated C kinase antibody, Receptor of activated protein kinase C 1 antibody
UniProt:	P63244
Pathways:	cAMP Metabolic Process, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.