

Immunotag™ GNB2L1 Antibody

Antibody Specification	
Catalog No.	ITA7091
Product Description	Immunotag™ GNB2L1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GNB2L1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human GNB2L1
Specificity	GNB2L1 Antibody detects endogenous levels of total GNB2L1
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RACK1
Accession No.	P63244

Antibody Specification

Alternate Names	Cell proliferation-inducing gene 21 protein; GBLP_HUMAN; Gnb2-rs1; Gnb2l1; Guanine nucleotide binding protein (G protein) beta polypeptide 2 like 1; Guanine nucleotide binding protein beta polypeptide 2 like 1; Guanine nucleotide binding protein beta subunit 2 like 1; Guanine nucleotide binding protein beta subunit like protein 12.3; Guanine nucleotide binding protein subunit beta 2 like 1; Guanine nucleotide binding protein subunit beta like protein 12.3; Guanine nucleotide-binding protein subunit beta-2-like 1; Guanine nucleotide-binding protein subunit beta-like protein 12.3; H12.3; HLC-7; Human lung cancer oncogene 7 protein; lung cancer oncogene 7; OTTHUMP00000223704; OTTHUMP00000223870; OTTHUMP00000223891; OTTHUMP00000223893; OTTHUMP00000223900; OTTHUMP00000223902; OTTHUMP00000223930; OTTHUMP00000223931; PIG21; Proliferation inducing gene 21; Protein homologous to chicken B complex protein guanine nucleotide binding; RACK1; Receptor for activated C kinase 1; Receptor for activated C kinase; Receptor of activated protein kinase C 1;
Description	Scaffolding protein 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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	35kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.