



GBLP Polyclonal Antibody

Catalog No	YP-Ab-06985
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	GNB2L1 HLC7 PIG21
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	GBLP Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C12-3;GNB2L1;c12.3;Gnb2-rs1;H12.3;HLC-7;PIG21;GB-like;p205; RACK1_CHICK;RACK1;Guanine nucleotide-binding protein subunit beta-like protein 12.3;Receptor for activated C kinase;Receptor of activated protein C kinase 1;Receptor of activated protein kinase C 1 (RACK1);RACK1_BOVIN; Guanine nucleotide-binding protein subunit beta-2-like 1;Receptor of activated protein kinase C 1;GBLP_MACFA;RACK1_HUMAN;Cell proliferation-inducing gene 21 protein;Human lung cancer oncogene 7 protein (HLC-7); RACK1_MOUSE;12-3;RACK1_PIG;RACK1_RAT;GBLP;GNB2L1 HLC7 PIG21; Guanine nucleotide-binding protein subunit beta-2-like 1 (Cell proliferation-inducing gene 21 protein) (Guanine nucleotide-binding protein subunit beta-like protein 12.3) (Human lung cancer oncogene 7
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Cell membrane ; Peripheral membrane protein. Cytoplasm . Cytoplasm, perinuclear region . Nucleus . Perikaryon . Cell projection, dendrite . Cell projection, phagocytic cup . Recruited to the plasma membrane through interaction with KRT1 which binds to membrane-bound ITGB1 (PubMed:17956333). Also associated with the membrane in oncogene-transformed cells (PubMed:11884618). PKC activation induces translocation from the perinuclear region to the cell periphery (PubMed:11279199). In the

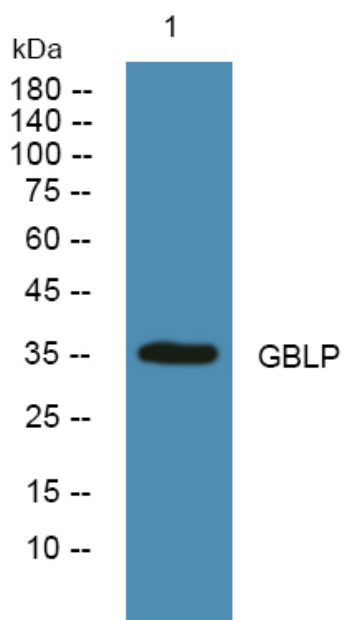


brain, detected mainly in cell bodies and dendrites with little expression in axonal fibers or nuclei (By similarity). Localized to phagocytic cups following infection by *Y.pestis* (PubMed:21347310). .

Tissue Specificity	In the liver, expressed at higher levels in activated hepatic stellate cells than in hepatocytes or Kupffer cells. Up-regulated in hepatocellular carcinomas and in the adjacent non-tumor liver tissue.
Function	domain:The WD repeats domain 5 mediates interaction with TRIM63., function:Seems to bind protein kinase C acting as an intracellular receptor to anchor the activated PKC to the cytoskeleton. May be involved in up-regulation of the activity of kinases such as PKC via binding to KRT1. Together with KRT1 and ITGB1, serves as a platform for SRC activation or inactivation. May play an important role in the developing brain and neuronal differentiation., similarity:Belongs to the WD repeat G protein beta family.,similarity:Contains 7 WD repeats.,subcellular location:Located on plasma membrane of neuroblastoma NMB7 cells.,subunit:Binds SLC9A3R1. Forms a ternary complex with TRIM63 and PRKCE. Interacts with HABP4 and KRT1.,
Background	domain:The WD repeats domain 5 mediates interaction with TRIM63., function:Seems to bind protein kinase C acting as an intracellular receptor to anchor the activated PKC to the cytoskeleton. May be involved in up-regulation of the activity of kinases such as PKC via binding to KRT1. Together with KRT1 and ITGB1, serves as a platform for SRC activation or inactivation. May play an important role in the developing brain and neuronal differentiation., similarity:Belongs to the WD repeat G protein beta family.,similarity:Contains 7 WD repeats.,subcellular location:Located on plasma membrane of neuroblastoma NMB7 cells.,subunit:Binds SLC9A3R1. Forms a ternary complex with TRIM63 and PRKCE. Interacts with HABP4 and KRT1.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



Western blot analysis of lysates from SW480 cells,
primary antibody was diluted at 1:1000, 4°over night