



# GBLP Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-06985
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	GNB2L1 HLC7 PIG21
<b>Protein Name</b>	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
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	GBLP Monoclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	34kD
<b>Cell Pathway</b>	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). .
<b>Tissue Specificity</b>	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.
<b>Function</b>	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:Bounds SLC9A3R1. Forms a ternary complex with TRIM63 and PRKCE. Interacts with HABP4 and KRT1.,

#### Background

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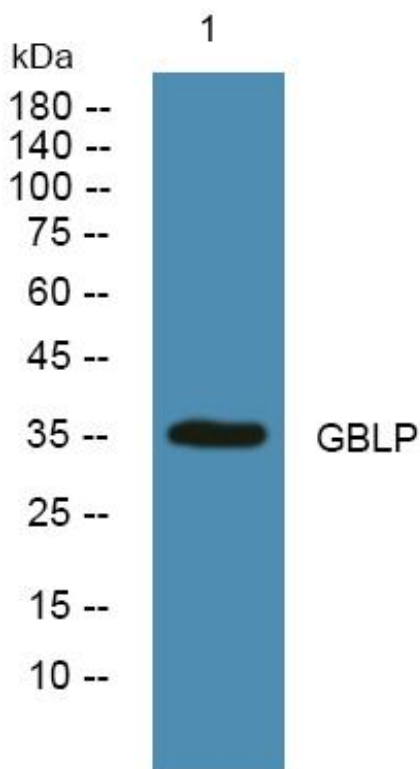
#### matters needing attention

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 various cells using GBLP Monoclonal Antibody