

For Research Use Only

# PBLD Monoclonal antibody

Catalog Number: 68317-1-Ig



## Basic Information

Catalog Number:

68317-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG23827

GenBank Accession Number:

BC009738

GeneID (NCBI):

64081

UNIPROT ID:

P30039

Full Name:

phenazine biosynthesis-like protein domain containing

Observed MW:

30 kDa

Purification Method:

Protein G purification

CloneNo.:

1G11D4

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, pig

Positive Controls:

WB : pig liver tissue, pig kidney tissue

## Background Information

PBLD, also termed as MAWBP, was first identified from a human liver cDNA library using a yeast two-hybrid technique by Iriyama et al. As the only representative of phenazine biosynthesis-like protein family, PBLD is widely expressed in human tissues, such as brain, heart, lung, liver, pancreas, kidney, and placenta. Its expression is elevated in several diseases processes, including insulin resistance, folate deficiency, and hypotension. PBLD has been proved to be involved in gastric carcinogenesis, PBLD expression was attenuated in gastric cancer (GC) tissues, and negatively regulated the growth and invasion in gastric cancer cell-lines by inhibiting TGF- $\beta$  1-induced EMT (Epithelial-Mesenchymal Transition). (PMID: 11355021, 17929853, 23687415, 26594798)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

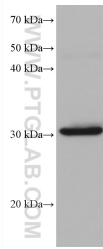
T: 4006900926

E: Proteintech-CN@ptglab.com

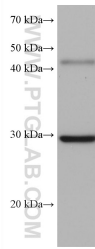
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



pig liver tissue were subjected to SDS PAGE followed by western blot with 68317-1-Ig (PBLD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



pig kidney tissue were subjected to SDS PAGE followed by western blot with 68317-1-Ig (PBLD antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.