

For Research Use Only

# KLF6 Monoclonal antibody

Catalog Number: 67297-1-Ig **3 Publications**



## Basic Information

Catalog Number:

67297-1-Ig

Size:

1500 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6859

GenBank Accession Number:

BC000311

GeneID (NCBI):

1316

UNIPROT ID:

Q99612

Full Name:

Kruppel-like factor 6

Calculated MW:

32 kDa

Observed MW:

32-42 kDa

Purification Method:

Protein A purification

CloneNo.:

2F8B3

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : JAR cells, NCCIT cells, L02 cells, Jurkat cells, K-562 cells

## Background Information

KLF6(kruppel-like factor 6) is a zinc finger transcription factor and tumor suppressor with biological activities and transcriptional targets in growing range. It is highly expressed in placenta followed by spleen, thymus, prostate, testis, small intestine and colon. One key target gene of KLF6 in endoglin, which is a homodimeric cell membrane glycoprotein and TGF- $\beta$  auxiliary receptor, owns a pro-angiogenic role in endothelial cells and is also involved in malignant progression. Also KLF6 induces apoptosis in prostate cancer cells through upregulation of ATF3. KLF6 was normal detected as a 46kDa protein, which is larger than translation product(32kDa), because of post-translational modification including both phosphorylation and glycosylation. This antibody raise against the full length of KLF6 gene of human origin, and can recognize both of KLF6, included KLF6(~32kDa), p-KLF6(~35-46kDa). Otherwise, there may be a non-specific band(50kDa) showed in detection

## Notable Publications

Author	Pubmed ID	Journal	Application
Yun Liu	32998707	BMC Mol Cell Biol	WB
Nan Li	38851422	Life Sci	WB
Xiaoyan Chen	37295703	Cell Signal	WB

## 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:

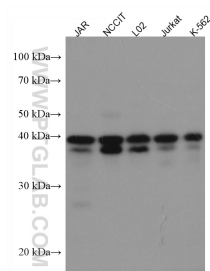
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67297-1-Ig (KLF6 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.