For Research Use Only

ZFP64 Polyclonal antibody

Catalog Number:17187-1-AP 3 Publications

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Basic Information

Catalog Number:
17187-1-AP

Size:
300 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10971

GenBank Accession Number:
BC041622

GeneID (NCBI):
55734

UNIPROT ID:
Q9NTW7

Full Name:
zinc finger protein 64 homolog (mouse)

Calculated MW:
681 aa, 75 kDa

Observed MW:
70 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:1000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IF, chIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Positive Controls:

WB : mouse spleen tissue, HEK-293 cells

Background Information

ZFP64 (also known as ZNF338) is a member of the Krüppel C2H2-type zinc finger family. ZFP64 is a coactivator of Notch1, mediating mesenchymal cell differentiation. ZFP64 expression was up-regulated in mouse peritoneal macrophages in response to stimulation with the TLR4 ligand LPS with a 2-fold increase. The MLL gene encoding the MLL fusion protein is easily activated by ZFP64. ZFP64 is essential for the continuous production of MLL fusion proteins in blood cancer and produces more cancer cells. Since ZFP64 deletion completely and specifically inhibits MLL fusion protein production and leukemia cascade growth, it is an ideal drug target.

Notable Publications

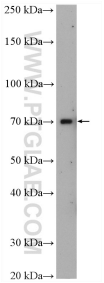
Author	Pubmed ID	Journal	Application
Bin Lu	30503706	Cancer Cell	chIP
Jiayi Sun	39294751	Biol Direct	WB,ChIP
Ezgi Hacisuleyman	38589584	Nat Neurosci	IF

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

Selected Validation Data



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 17187-1-AP (ZFP64 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.