

For Research Use Only

ZFP42 Polyclonal antibody

Catalog Number: 31790-1-AP



Basic Information

Catalog Number:

31790-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36112

GenBank Accession Number:

BC160056

GeneID (NCBI):

132625

UNIPROT ID:

Q96MM3

Full Name:

zinc finger protein 42 homolog
(mouse)

Observed MW:

47 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HL-60 cells, LNCaP cells, PC-3 cells, Raji cells

Background Information

The ZFP42, also known as REX1, is a transcriptional regulator and a member of the zinc finger protein family. It is specifically highly expressed in pluripotent stem cells, such as embryonic stem cells, and is one of the key molecules for maintaining cell pluripotency and self-renewal capacity. Its expression level rapidly declines with cell differentiation, making it widely used as a reliable marker for the pluripotent state. Studies have shown that ZFP42 is involved in inhibiting differentiation programs and maintaining stemness by regulating the transcription of downstream target genes. Additionally, its abnormal expression in various tumors suggests that it may be involved in tumorigenesis and development, making it an important subject in the research of regenerative medicine, developmental biology, and oncology.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

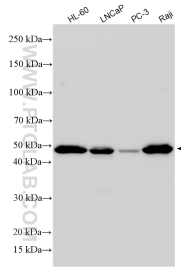
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31790-1-AP (ZFP42 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.