

For Research Use Only

ZFP42 Polyclonal antibody, PBS Only

Catalog Number: 31790-1-PBS



Basic Information

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| Catalog Number: 31790-1-PBS | GenBank Accession Number: BC160056 | Purification Method: Antigen affinity Purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 132625 | |
| Source: Rabbit | UNIPROT ID: Q96MM3 | |
| Isotype: IgG | Full Name: zinc finger protein 42 homolog (mouse) | |
| Immunogen Catalog Number: AG36112 | Observed MW: 47 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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 -80°C.

Storage Buffer:
PBS only, pH7.3

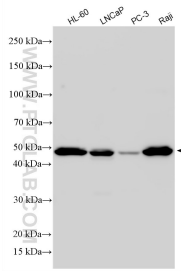
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 31790-1-PBS in a different storage buffer formulation.