

For Research Use Only

ZNF7 Polyclonal antibody

Catalog Number: 33977-1-AP



Basic Information

Catalog Number:
33977-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG40665

GenBank Accession Number:
BC058923

GeneID (NCBI):
7553

UNIPROT ID:
P17097

Full Name:
zinc finger protein 7

Calculated MW:
686 aa, 78 kDa

Observed MW:
68 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:
IP, ELISA

Species Specificity:
human

Positive Controls:

IP: HL-60 cells,

Background Information

Zinc Finger Protein 7 (ZNF7) is a key member of the human zinc finger protein (KRAB-ZFP) family. This protein contains a typical KRAB domain and tandem C2H2-type zinc finger motifs, enabling it to specifically bind to DNA sequences in the promoter regions of target genes. As a nuclear transcription regulator, ZNF7 recruits epigenetic modification complexes, such as histone deacetylases, to suppress downstream gene expression, thereby playing a role in maintaining genomic stability and chromatin remodeling. Research indicates that ZNF7 plays a crucial role in cell cycle regulation, DNA damage response, and embryonic development. Abnormal expression of ZNF7 is associated with the progression of various cancers, such as hepatocellular carcinoma and prostate cancer, and it may contribute to tumorigenesis by influencing oncogene or tumor suppressor gene networks. It is considered a promising target for epigenetic regulation research.

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:

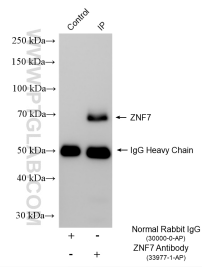
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-ZNF7 (IP:33977-1-AP, 4ug;
Detection:33977-1-AP 1:600) with HL-60 cells
lysate 1480 ug.