

For Research Use Only

# ZNF7 Polyclonal antibody, PBS Only

Catalog Number: 33977-1-PBS



## Basic Information

**Catalog Number:**

33977-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

IP, Indirect ELISA

**Species Specificity:**

human

## 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 -80°C.

**Storage Buffer:**

PBS only, pH7.3

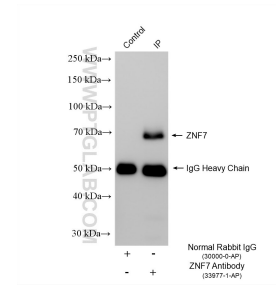
For technical support and original validation data for this product please contact:

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## Selected Validation Data



IP result of anti-ZNF7 (IP:33977-1-AP, 4 $\mu$ g;  
Detection:33977-1-AP 1:600) with HL-60 cells  
lysate 1480  $\mu$ g. This data was developed using the  
same antibody clone with 33977-1-PBS in a  
different storage buffer formulation.