

For Research Use Only

# ZIC5 Polyclonal antibody, PBS Only

Catalog Number: 34277-1-PBS



## Basic Information

**Catalog Number:**

34277-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG41531

**GenBank Accession Number:**

NM\_033132

**GeneID (NCBI):**

85416

**UNIPROT ID:**

Q96T25

**Full Name:**

Zic family member 5 (odd-paired homolog, Drosophila)

**Calculated MW:**

639aa, 66 kDa

**Observed MW:**

57 kDa

**Purification Method:**

Antigen affinity Purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## Background Information

ZIC5 (Zinc Finger of the Cerebellum 5) is a C2H2-type zinc finger protein belonging to the ZIC family. This protein plays an important role in neural development, participating in neural crest cell differentiation, neural tube formation, and the establishment of the left-right axis. Recent studies have found that ZIC5 is significantly overexpressed in various malignant tumors, including colon cancer, prostate cancer, cervical cancer, lung cancer, hepatocellular carcinoma, and melanoma. It promotes tumor cell proliferation, invasion, migration, and epithelial-mesenchymal transition (EMT) by activating the Wnt/ $\beta$ -catenin signaling pathway. ZIC5 enhances cancer stem cell properties and is positively correlated with the expression of stemness markers. It serves as an independent prognostic marker for colon cancer, and its high expression is closely associated with poor patient survival.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

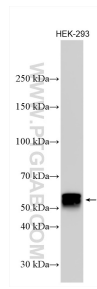
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34277-1-AP (ZIC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 34277-1-PBS in a different storage buffer formulation.