

For Research Use Only

ZIC5 Polyclonal antibody

Catalog Number: 34277-1-AP



Basic Information

Catalog Number:

34277-1-AP

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

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,

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/ β -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 -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:

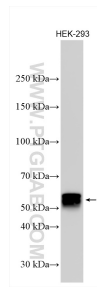
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34277-1-AP (ZIC5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.