

For Research Use Only

ZIC5 Polyclonal antibody

Catalog Number: 34277-1-AP



Basic Information

Catalog Number: 34277-1-AP	GenBank Accession Number: NM_033132	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 460 ug/ml by Nanodrop;	GeneID (NCBI): 85416	Recommended Dilutions: WB: 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q96T25	
Isotype: IgG	Full Name: Zic family member 5 (odd-paired homolog, Drosophila)	
Immunogen Catalog Number: AG41531	Calculated MW: 639aa, 66 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells,
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/ 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

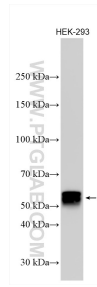
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.