

For Research Use Only

ZIC4-Specific Polyclonal antibody

Catalog Number: 51003-1-AP

2 Publications



Basic Information

Catalog Number:

51003-1-AP

Size:

150ul , Concentration: 153 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_032153

GeneID (NCBI):

84107

UNIPROT ID:

Q8N9L1

Full Name:

Zic family member 4

Calculated MW:

37 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : human brain tissue,

IHC : mouse brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

The ZIC gene family includes 5 genes that are highly conserved across evolution. These genes encode zinc finger proteins that are expressed during development and maturation of the central nervous system and have critical roles in the development of the cerebellum. ZIC4, like other members, may have roles in the nervous system development.

Notable Publications

Author	Pubmed ID	Journal	Application
Yun Huang	33304900	Front Cell Dev Biol	WB
Aruga Jun J	20199689	BMC Cancer	WB, IHC

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

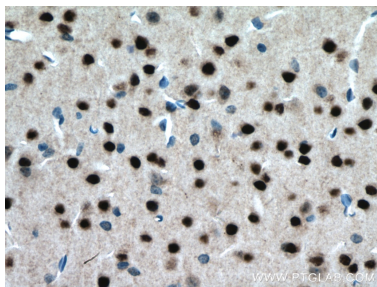
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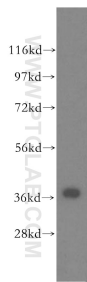
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 51003-1-AP (ZIC4-Specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human brain tissue were subjected to SDS PAGE followed by western blot with 51003-1-AP (ZIC4-Specific antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.