

Rabbit anti-Human, Mouse ZIC1/2/3 Polyclonal Antibody | anti-ZIC1 antibody

ZIC1/2/3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320975	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ZIC1/2/3; Polyclonal Antibody; ZIC1/2/3 Antibody; Odd paired homolog Drosophila; Zic 1; ZIC; Zic family member 1 (odd-paired Drosophila homolog); Zic family member 1; Zic protein member 1; zic1; ZIC1_HUMAN; Zinc finger protein 201; Zinc finger protein of the cerebellum 1; Zinc finger protein ZIC 1; Zinc finger protein ZIC1; ZNF 201; ZNF201; HPE 5; HPE5; Zic 2; Zic family member 2 (odd paired Drosophila homolog); Zic family member 2; ZIC2; ZIC2_HUMAN; Zinc finger protein of the cerebellum 2; Zinc finger protein ZIC 2; Zinc finger protein Zic2; Heterotaxy 1; HTX; HTX1; ZIC 3; Zic family member 3 (odd paired Drosophila homolog heterotaxy 1); Zic family member 3; Zic3; ZIC3_HUMAN; Zinc finger protein 203; Zinc finger protein of the cerebellum 3; Zinc finger protein ZIC 3 (Zinc finger protein of the cerebellum 3); Zinc finger protein ZIC 3; ZNF203; anti-ZIC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ZIC1/2/3 antibody detects endogenous levels of total ZIC1/2/3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	447
Applicable Applications for anti-ZIC1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human ZIC1/2/3
Subcellular Location	Nucleus. Cytoplasm. Localizes in the cytoplasm in presence of MDFIC overexpression.
Tissue Specificity	CNS. A high level expression is seen in the cerebellum. Detected in the nuclei of the cerebellar granule cell lineage from the progenitor cells of the external germinal layer to the postmigrated cells of the internal granular layer. Detected in medulloblastoma (26/29 cases), but not present in all other tumors examined.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA320975 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA320975 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis on Jurkat cell lysate using ZIC1/2/3 Antibody, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ZIC1 antibody

Function: Acts as a transcriptional activator. Involved in neurogenesis. Plays important roles in the early stage of organogenesis of the CNS, as well as during dorsal spinal cord development and maturation of the cerebellum. Involved in the spatial distribution of mossy fiber (MF) neurons within the pontine gray nucleus (PGN). Plays a role in the regulation of MF axon pathway choice. Promotes MF migration towards ipsilaterally-located cerebellar territories. May have a role in shear flow mechanotransduction in osteocytes. Retains nuclear GLI1 and GLI3 in the cytoplasm. Binds to the minimal GLI-consensus sequence 5'-TGGGTGGTC-3' (By similarity). Subunit Structure: Interacts (via the C2H2-type domains 3, 4 and 5) with MDFIC (via the C2H2-type domains 3, 4 and 5). Interacts with GLI1; the interaction enhances transcription activation. Interacts with GLI2. Interacts with GLI3; the interaction enhances transcription activation (By similarity). Similarity: The C2H2-type 3, 4 and 5 zinc finger domains are necessary for transcription activation. Belongs to the GLI C2H2-type zinc-finger protein family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22547182
NCBI GeneID	7545
NCBI Accession #	NP_003403.2
NCBI GenBank Nucleotide #	NM_003412.3
UniProt Accession #	Q15915; Q2M3N1
Molecular Weight	Observed: 51 kDa Predicted: 49 kDa
NCBI Official Full Name	zinc finger protein ZIC 1
NCBI Official Synonym Full Names	Zic family member 1
NCBI Official Symbol	ZIC1
NCBI Official Synonym Symbols	ZIC; CRS6; ZNF201
NCBI Protein Information	zinc finger protein ZIC 1
UniProt Protein Name	Zinc finger protein ZIC 1
UniProt Gene Name	ZIC1
UniProt Synonym Gene Names	ZIC; ZNF201

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zic1-2-3-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320975>