

## Anti-Zic1/2/3/4/5 antibody

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| <b>Description</b>        | Rabbit polyclonal to Zic1/2/3/4/5.                                                                                                                                                                                                                                                                                                |
| <b>Model</b>              | STJ96311                                                                                                                                                                                                                                                                                                                          |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>         | Human, Mouse                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>       | ELISA, IF                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>          | Synthesized peptide derived from human Zic1/2/3/4/5                                                                                                                                                                                                                                                                               |
| <b>Immunogen Region</b>   | 250-330 aa, Internal                                                                                                                                                                                                                                                                                                              |
| <b>Gene ID</b>            | <a href="#">7545</a>                                                                                                                                                                                                                                                                                                              |
| <b>Gene Symbol</b>        | <a href="#">ZIC1</a>                                                                                                                                                                                                                                                                                                              |
| <b>Dilution range</b>     | IF 1:200-1:1000ELISA 1:40000                                                                                                                                                                                                                                                                                                      |
| <b>Specificity</b>        | Zic1/2/3/4/5 Polyclonal Antibody detects endogenous levels of Zic1/2/3/4/5 protein.                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b> | 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. |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                             |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                                                                                                                                                                                                                                      |
| <b>Protein Name</b>       | Zinc finger protein ZIC 1 Zinc finger protein 201 Zinc finger protein of the                                                                                                                                                                                                                                                      |

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|                                   | cerebellum 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight</b>           | 55.006 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clonality</b>                  | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugation</b>                | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Formulation</b>                | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>              | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Instruction</b>        | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Database Links</b>             | <a href="#">HGNC:12872OMIM:600470</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Alternative Names</b>          | Zinc finger protein ZIC 1 Zinc finger protein 201 Zinc finger protein of the cerebellum 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>                   | 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'. |
| <b>Sequence and Domain Family</b> | The C2H2-type 3, 4 and 5 zinc finger domains are necessary for transcription activation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cellular Localization</b>      | Nucleus. Cytoplasm. Localizes in the cytoplasm in presence of MDFIC overexpression.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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