

Anti-Zic1/2/3 antibody



Description	Rabbit polyclonal to Zic1/2/3.
Model	STJ96310
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Zic1/2/3
Immunogen Region	290-370 aa, Internal
Gene ID	7545
Gene Symbol	ZIC1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Zic1/2/3 Polyclonal Antibody detects endogenous levels of Zic1/2/3 protein.
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Zinc finger protein ZIC 1 Zinc finger protein 201 Zinc finger protein of the cerebellum 1

Molecular Weight	51 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12872OMIM:600470
Alternative Names	Zinc finger protein ZIC 1 Zinc finger protein 201 Zinc finger protein of the cerebellum 1
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'.
Sequence and Domain Family	The C2H2-type 3, 4 and 5 zinc finger domains are necessary for transcription activation.
Cellular Localization	Nucleus. Cytoplasm. Localizes in the cytoplasm in presence of MDFIC overexpression.