

ZIC1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16034a**Specification**

ZIC1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q15915](#)**ZIC1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7545**Other Names**

Zinc finger protein ZIC 1, Zinc finger protein 201, Zinc finger protein of the cerebellum 1, ZIC1, ZIC, ZNF201

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ZIC1 Antibody (N-term) Blocking Peptide - Protein Information**Name** ZIC1**Synonyms** ZIC, ZNF201**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).

Cellular Location

Nucleus. Cytoplasm. Note=Localizes in the cytoplasm in presence of MDFIC overexpression.

Tissue Location

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.

ZIC1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

ZIC1 Antibody (N-term) Blocking Peptide - Images

ZIC1 Antibody (N-term) Blocking Peptide - Background

This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. Members of this family are important during development. Aberrant expression of this gene is seen in medulloblastoma, a childhood brain tumor. This gene is closely linked to the gene encoding zinc finger protein of the cerebellum 4, a related family member on chromosome 3. This gene encodes a transcription factor that can bind and transactivate the apolipoprotein E gene.

ZIC1 Antibody (N-term) Blocking Peptide - References

Brill, E., et al. Cancer Res. 70(17):6891-6901(2010) Wang, L.J., et al. Biochem. Biophys. Res. Commun. 379(4):959-963(2009) Baranzini, S.E., et al. Hum. Mol. Genet. 18(4):767-778(2009) Arora, A., et al. RNA 14(7):1290-1296(2008) Pourebrahim, R., et al. FEBS Lett. 581(26):5122-5126(2007)