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ZIC3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2761a

Specification

ZIC3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O60481

ZIC3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 7547

Other Names
Zinc finger protein ZIC 3, Zinc finger protein 203, Zinc finger protein of the cerebellum 3, ZIC3, ZNF203

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2761a was selected from the N-term region of human ZIC3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ZIC3 Antibody (N-term) Blocking Peptide - Protein Information

Name ZIC3

Synonyms ZNF203

Function
Acts as a transcriptional activator. Required in the earliest stages in both axial midline development and left-right (LR) asymmetry specification. Binds to the minimal GLI-consensus sequence 5'-GGGTGGTC- 3'.

Cellular Location
Nucleus. Cytoplasm. Note=Localizes in the cytoplasm in presence of MDFIC overexpression (By similarity) Translocation to the nucleus requires KPNA1 or KPNA6.

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ZIC3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

ZIC3 Antibody (N-term) Blocking Peptide - Images

ZIC3 Antibody (N-term) Blocking Peptide - Background

ZIC3 is a member of the ZIC family of C2H2-type zinc finger proteins. This nuclear protein probably functions as a transcription factor in early stages of left-right body axis formation. Mutations in the gene encoding ZIC3 cause X-linked visceral heterotaxy, which includes congenital heart disease and left-right axis defects in organs.

ZIC3 Antibody (N-term) Blocking Peptide - References

Zhu,L., Hum. Mutat. 29 (1), 99-105 (2008)Zhu,L., Hum. Mol. Genet. 16 (14), 1649-1660 (2007)Bedard,J.E., Hum. Mol. Genet. 16 (2), 187-198 (2007)