

ZIC3 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2761c**Specification**

ZIC3 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O60481
Other Accession	NP_003404.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50569
Antigen Region	239-267

ZIC3 Antibody (Center) - 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

This ZIC3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 239-267 amino acids from the Central region of human ZIC3.

DilutionWB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ZIC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ZIC3 Antibody (Center) - 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'.

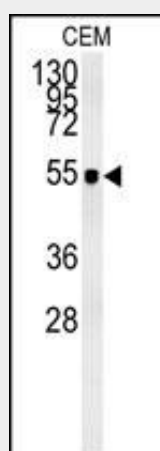
Cellular Location

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

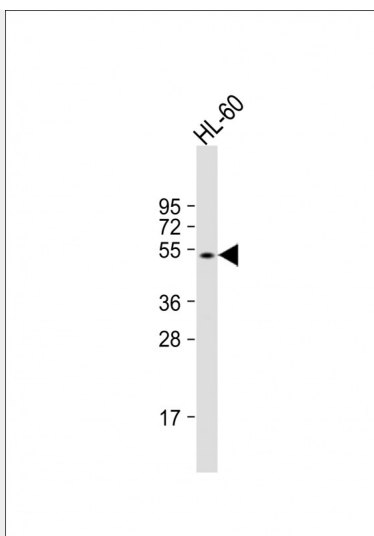
ZIC3 Antibody (Center) - Protocols

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

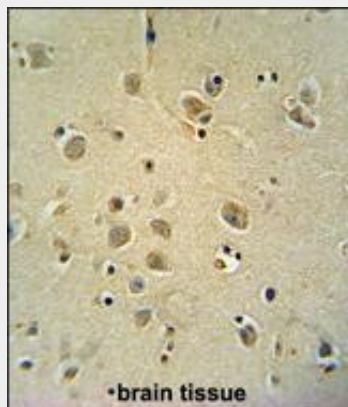
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZIC3 Antibody (Center) - Images

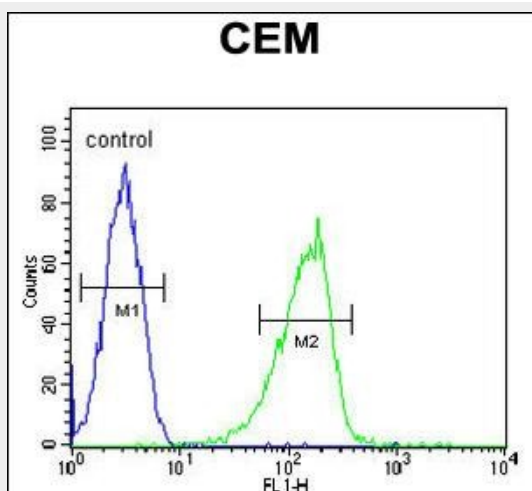
ZIC3 Antibody (Center) (Cat. #AP2761c) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the ZIC3 antibody detected the ZIC3 protein (arrow).



Anti-ZIC3 Antibody (Center) at 1:1000 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 51 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



ZIC3 Antibody (Center) (Cat. #AP2761c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ZIC3 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



ZIC3 Antibody (Center) (Cat. #AP2761c) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary

antibodies were used for the analysis.

ZIC3 Antibody (Center) - Background

This gene encodes 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 this gene cause X-linked visceral heterotaxy, which includes congenital heart disease and left-right axis defects in organs.

ZIC3 Antibody (Center) - References

Hatayama, M., et al. Hum. Mol. Genet. 17(22):3459-3473(2008)
Zhu, L., et al. Hum. Mutat. 29(1):99-105(2008)
Zhu, L., et al. Hum. Mol. Genet. 16(14):1649-1660(2007)
Chhin, B., et al. Hum. Mutat. 28(6):563-570(2007)
Bedard, J.E., et al. Hum. Mol. Genet. 16(2):187-198(2007)
Zhu, H., et al. Am. J. Med. Genet. A 116A (4), 414-415 (2003) :
Koyabu, Y., et al. J. Biol. Chem. 276(10):6889-6892(2001)
Klootwijk, R., et al. Hum. Mol. Genet. 9(11):1615-1622(2000)
Gebbia, M., et al. Nat. Genet. 17(3):305-308(1997)
Casey, B., et al. Nat. Genet. 5(4):403-407(1993)