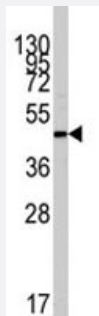


ZIC3 polyclonal antibody

Catalog # PAB1954

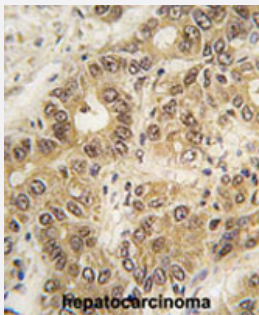
Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of ZIC3 polyclonal antibody (Cat # PAB1954) in HL-60 cell line lysates (35 ug/lane). ZIC3 (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with ZIC3 polyclonal antibody (Cat # PAB1954), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ZIC3.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human ZIC3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — ZIC3

Entrez GeneID	7547
Protein Accession#	NP_003404;O60481
Gene Name	ZIC3
Gene Alias	HTX, HTX1, ZNF203
Gene Description	Zic family member 3 (odd-paired homolog, Drosophila)
Omim ID	300265 306955
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000024142 heterotaxy 1 zinc finger protein of the cerebellum 3

Publication Reference

- [Characterization of the interactions of human ZIC3 mutants with GLI3.](#)

Zhu L, Zhou G, Poole S, Belmont JW.

Human Mutation 2008 Jan; 29(1):99.

- [Identification of a novel role of ZIC3 in regulating cardiac development.](#)

Zhu L, Harutyunyan KG, Peng JL, Wang J, Schwartz RJ, Belmont JW.

Human Molecular Genetics 2007 Jul; 16(14):1649.

- [Nuclear import and export signals are essential for proper cellular trafficking and function of ZIC3.](#)

Bedard JE, Purnell JD, Ware SM.

Human Molecular Genetics 2007 Jan; 16(2):187.

Application: IF, Human, Mouse, HeLa, NIH/3T3 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Neural Tube Defects](#)