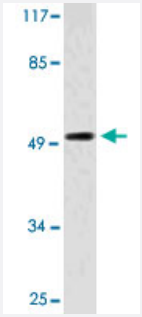
ZIC1/ZIC2/ZIC3 polyclonal antibody

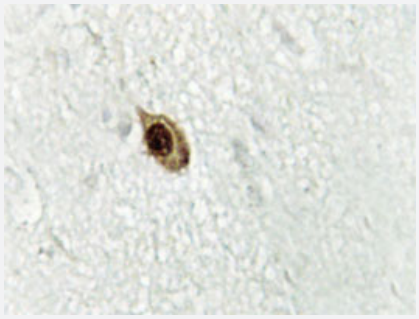
Catalog # PAB26961 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with ZIC1/ZIC2/ZIC3 polyclonal antibody (Cat # PAB26961).



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using ZIC1/ZIC2/ZIC3 polyclonal antibody (Cat # PAB26961).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ZIC1/ZIC2/ZIC3.
Immunogen	A synthetic peptide corresponding to human ZIC1/ZIC2/ZIC3.
Host	Rabbit
Theoretical MW (kDa)	51
Reactivity	Human, Mouse
Specificity	ZIC1/ZIC2/ZIC3 polyclonal antibody detects endogenous levels of ZIC1/ZIC2/ZIC3 protein.
Form	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of Jurkat cell lysate with ZIC1/ZIC2/ZIC3 polyclonal antibody (Cat # PAB26961).

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

  Immunohistochemical analysis of paraffin-embedded human brain tissue using ZIC1/ZIC2/ZIC3 polyclonal antibody (Cat # PAB26961).

- Immunofluorescence

Gene Info — ZIC1

Entrez GeneID	7545
Protein Accession#	Q15915(Gene ID : 7545);O95409(Gene ID : 7546);O60481(Gene ID : 7547)
Gene Name	ZIC1
Gene Alias	ZIC, ZNF201
Gene Description	Zic family member 1 (odd-paired homolog, Drosophila)
Omim ID	600470
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	Zic family member 1 (odd-paired Drosophila homolog)|Zinc finger protein of the cerebellum 1|zinc finger protein of the cerebellum 1

Gene Info — ZIC2

Entrez GeneID	7546
Protein Accession#	Q15915(Gene ID : 7545);O95409(Gene ID : 7546);O60481(Gene ID : 7547)
Gene Name	ZIC2
Gene Alias	HPE5
Gene Description	Zic family member 2 (odd-paired homolog, Drosophila)
Omim ID	603073 609637
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. This protein functions as a transcriptional repressor and may regulate tissue specific expression of dopamine receptor D1. Mutations in this gene cause holoprosencephaly type 5. Holoprosencephaly is the most common structural anomaly of the human brain. A polyhistidine tract polymorphism in this gene may be associated with increased risk of neural tube defects. This gene is closely linked to a gene encoding zinc finger protein of the cerebellum 5, a related family member on chromosome 13. [provided by RefSeq
Other Designations	OTTHUMP00000018633|Zic family member 2 (odd-paired Drosophila homolog)|Zinc finger protein of the cerebellum 2|zinc finger protein of the cerebellum 2

Gene Info — ZIC3

Entrez GeneID	7547
Protein Accession#	Q15915(Gene ID : 7545);O95409(Gene ID : 7546);O60481(Gene ID : 7547)
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

Pathway

- Hedgehog signaling pathway

Disease

- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Neural Tube Defects
- Neural Tube Defects
- Neural Tube Defects