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Product datasheet for AP20514PU-M

ZIC1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200. **Immunohistochemistry on Paraffin Sections**: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 318-366 of Human Zic1.
Specificity:	This antibody detects endogenous levels of Zic1/2/3 protein. (region surrounding Asp348)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~51 kDa
Gene Name:	Zic family member 1
Database Link:	Entrez Gene 22771 MouseEntrez Gene 7545 Human Q15915

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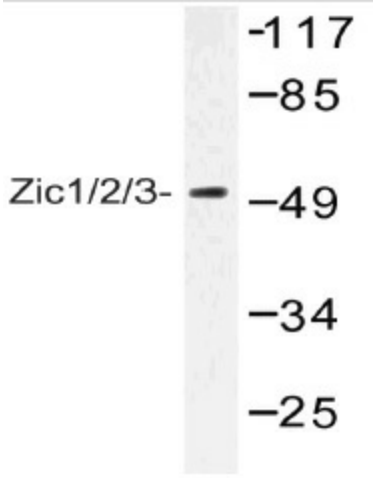
Background: Zic1 encodes a zinc finger protein expressed in the developing or matured central nervous system in a highly restricted manner. Zic is expressed in granule cells that make synaptic contact with Purkinje cells. Zic1 is a gene critical to cerebellar pattern formation. The expression of Zic genes is first detected at gastrulation and at neurulation, becoming restricted to the dorsal neural ectoderm and the dorsal paraxial mesoderm. The Zic1 gene has been mapped to chromosome 9 in mouse. The 5' flanking region of the Zic1 gene contains a region-specific enhancer determined to be essential in in-vivo and in-vitro deletion analysis. The temporal profile of mRNA expression differs for each of the Zic gene products. The Drosophila odd-paired gene is highly homologous to the Zic gene family. Zic2 and Zic3 are highly similar genes. Zic2 is essential for the formation of the brain and Zic-3 is important for right and left axis formation.

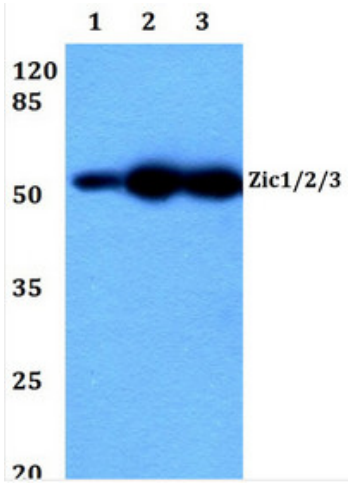
Synonyms: ZIC

Protein Families: Druggable Genome

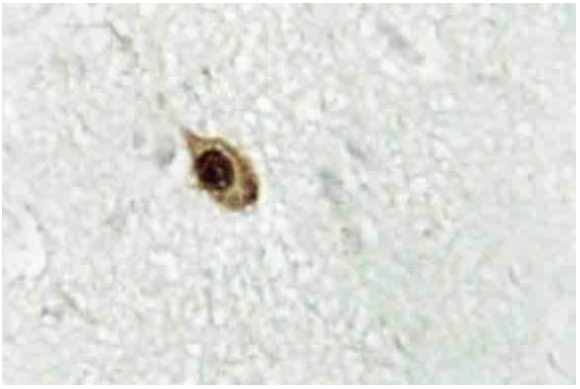
Product images:



Western blot (WB) analysis of Zic1/2/3 antibody at 1/500 dilution: Lane 1: A549 whole cell lysate. Lane 2: Raw264.7 whole cell lysate. Lane 3: H9C2 whole cell lysate.



Western blot (WB) analysis of Zic1/2/3 antibody in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of Zic1/2/3 antibody in paraffin-embedded human brain tissue.