

Datasheet for ABIN129629  
**anti-ZIC2 antibody (AA 189-206)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	ZIC2
Binding Specificity:	AA 189-206
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZIC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding amino acids 189-206 of Mouse ZIC-2.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee, Mouse (Murine), Rat (Rattus), Dog (Canine)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

## Target Details

Target:	ZIC2
Alternative Name:	ZIC-2 ( <a href="#">ZIC2 Products</a> )
Background:	ZIC2 (also known as zinc finger protein of the cerebellum 2, HPE5, Zic family member 2 and

## Target Details

odd-paired Drosophila homolog) is a nuclear protein that functions as a transcriptional repressor and may regulate tissue specific expression of dopamine receptor D1. In mouse, knockout of Zic1 leads to aplasia of cerebellum and skeletal abnormalities. Mutation in Zic2 and Zic3 in mouse and/or human cause holoprosencephaly and heterotaxis, respectively. Holoprosencephaly is the most common structural anomaly of the human brain.

Synonyms: ZIC2, zinc finger protein of the cerebellum 2, HPE5, Zic family member 2 and odd-paired Drosophila homolog

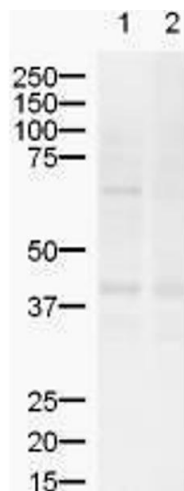
Gene ID:	7546, 22547197
UniProt:	<a href="#">O95409</a>
Pathways:	<a href="#">Tube Formation</a>

## Application Details

Application Notes:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 55 kDa in size corresponding to ZIC2 by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C



Western Blotting

**Image 1.** Western blot using Affinity Purified anti-ZIC2 antibody shows detection of a band ~55 kDa (arrowhead) corresponding to ZIC2 in lysates from (lane 1) mouse brain and (lane 2) rat brain. Approximately 20 ug of each lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-ZIC2 antibody. Signal was detected using standard techniques. The upper band in the mouse brain lysate represents Zic2.