

Datasheet for ABIN390174  
**anti-ZMIZ1 antibody (C-Term)**



[Go to Product page](#)

2 Images

3 Publications

## Overview

Quantity:	400 µL
Target:	ZMIZ1
Binding Specificity:	AA 1038-1067, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZMIZ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This RAI17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1038-1067 amino acids from the C-terminal region of human RAI17.
Clone:	RB1963
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	ZMIZ1
---------	-------

## Target Details

Alternative Name: RAI17 ([ZMIZ1 Products](#))

Background: Retinoic acid plays a critical role in development, cellular growth, and differentiation and induces the expression of a variety of genes. RAI17 expression is induced by retinoic acid and is predominantly expressed in heart, brain and ovaries. Within brain, highest expression is in amygdala. The deduced 1,067-amino acid protein contains an MSX-interacting zinc finger (MIZ) domain, a nuclear localization signal sequence, and 2 proline-rich regions. A strong intrinsic transactivation domain is identified in the C-terminal proline-rich region. RAI17 expression is detected in various cancer cell lines. RAI17 colocalizes with endogenous androgen receptor (AR) in the nuclei of prostate epithelial cells from human tissue samples. In human prostate cancer cells, RAI17 increases the transcriptional activity of AR. Studies using sumoylation-deficient AR mutants suggest that the increase of AR activity by RAI17 is dependent upon receptor sumoylation.

Molecular Weight: 115483

Gene ID: 57178

NCBI Accession: [NP\\_065071](#)

UniProt: [Q9ULJ6](#)

## Application Details

Application Notes: WB: 1:2000. IHC-P: 1:50~100

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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: 4 °C, -20 °C

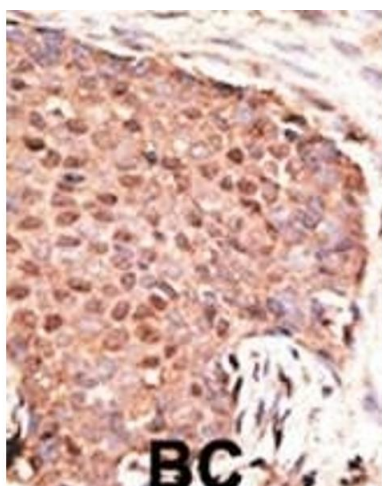
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

## Publications

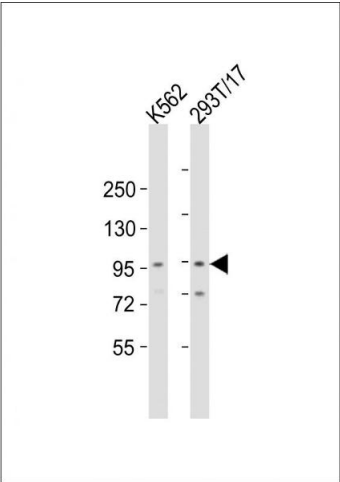
- Product cited in: Lan, Lan, Chang, Zhang, Liu, Vikash, Wang, Huang, Wang, Zhou, Chen, Zhao: "Identification of Two Additional Susceptibility Loci for Inflammatory Bowel Disease in a Chinese Population." in: **Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology**, Vol. 41, Issue 5, pp. 2077-2090, (2017) ([PubMed](#)).
- Pinnell, Yan, Cho, Keeley, Murai, Liu, Alarcon, Qin, Wang, Kuick, Elenitoba-Johnson, Maillard, Samuelson, Cierpicki, Chiang: "The PIAS-like Coactivator Zmiz1 Is a Direct and Selective Cofactor of Notch1 in T Cell Development and Leukemia." in: **Immunity**, Vol. 43, Issue 5, pp. 870-83, (2015) ([PubMed](#)).
- Rakowski, Garagiola, Li, Decker, Caruso, Jones, Kuick, Cierpicki, Maillard, Chiang: "Convergence of the ZMIZ1 and NOTCH1 pathways at C-MYC in acute T lymphoblastic leukemias." in: **Cancer research**, Vol. 73, Issue 2, pp. 930-41, (2013) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



### Western Blotting

**Image 2.** All lanes : Anti-Rai17 Antibody at 1:2000 dilution  
Lane 1: K562 whole cell lysates Lane 2: 293T/17 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 115 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.