# Rabbit RAI17 Polyclonal Antibody | anti-ZMIZ1 antibody

RAI17 Antibody (C-term)

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA289821** | **Rabbit** | **Human (Predicted Reactivity: Mouse)** | **Immunohistochemistry, ELISA, Western Blot** |

## PRODUCT SYNONYMS

RAI17; Polyclonal Antibody; RAI17 Antibody (C-term); Zinc finger MIZ domain-containing protein 1; PIAS-like protein Zimp10; Retinoic acid-induced protein 17; ZMIZ1; KIAA1224; ZIMP10; anti-ZMIZ1 antibody

## PRODUCT SPECIFICATIONS

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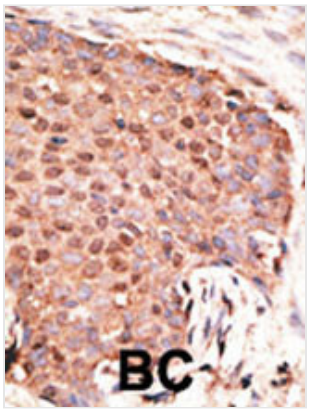
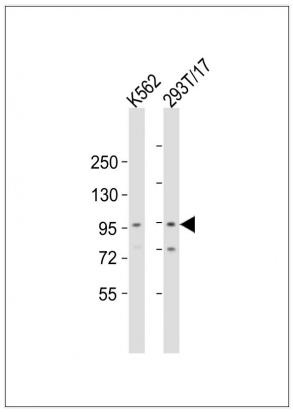
| **Host** | Rabbit |
| **Reactivity** | Human (Predicted Reactivity: Mouse) |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit Ig |
| **Specificity** | This RAI17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1038-1067 amino acids from the C-terminal region of human RAI17. |
| **Purity/Purification** | Purified Rabbit Polyclonal Antibody (Pab) |
| **Form/Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| **Concentration** | Vial Concentration: 2 (varies by lot) |
| **Sequence Positions** | 1038-1067 |
| **Sequence Length** | 997 |
| **Applicable Applications for anti-ZMIZ1 antibody** | IHC (Immunohistochemistry), ELISA, WB (Western Blot) |
| **Antigen Type** | Synthetic Peptide |
| **Antigen Source** | HUMAN |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

## IMAGES




**IHC (Immunohiostchemistry)**
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.




**WB (Western Blot)**
All lanes : Anti-Rai17 Antibody (P604) at 1:2000 dilutionLane 1: K562 whole cell lysatesLane 2: 293T/17 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 115 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-ZMIZ1 antibody** | 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. |
| **Product Categories/Family for anti-ZMIZ1 antibody** | Cell Biology; Signal transduction |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 31543543 |
| **NCBI GeneID** | 57178 |
| **NCBI Accession #** | NP_065071.1 |
| **NCBI GenBank Nucleotide #** | NM_020338.3 |
| **UniProt Accession #** | Q9ULJ6; Q5JSH9; Q7Z7E6 |
| **Molecular Weight** | 115483 |
| **NCBI Official Full Name** | zinc finger MIZ domain-containing protein 1 |
| **NCBI Official Synonym Full Names** | zinc finger, MIZ-type containing 1 |
| **NCBI Official Symbol** | ZMIZ1 |
| **NCBI Official Synonym Symbols** | MIZ; RAI17; ZIMP10; hZIMP10; TRAFIP10 |
| **NCBI Protein Information** | zinc finger MIZ domain-containing protein 1 |
| **UniProt Protein Name** | Zinc finger MIZ domain-containing protein 1 |
| **UniProt Gene Name** | **ZMIZ1** |
| **UniProt Synonym Gene Names** | KIAA1224; RAI17; ZIMP10 |

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| **UniProt Entry Name** | ZMIZ1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/rai17-antibody-immunohistochemistry-western-blot-elisa/289821