

# ZNF743 Rabbit pAb

Catalog # AP97941

## Product Information

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| <b>Application</b>                      | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                        |
| <b>Primary Accession</b>                | <a href="#">Q9BQA5</a>                                                                                                                                                                                                                                                                                                                  |
| <b>Other Accession</b>                  | <a href="#">Q9BQA5</a>                                                                                                                                                                                                                                                                                                                  |
| <b>Host</b>                             | Rabbit                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                              |
| <b>Calculated MW</b>                    | 59678                                                                                                                                                                                                                                                                                                                                   |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human ZNF743                                                                                                                                                                                                                                                                              |
| <b>Epitope Specificity</b>              | 301-400/517                                                                                                                                                                                                                                                                                                                             |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                                                                                                                                                                                                                                          |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                       |
| <b>SIMILARITY</b>                       | Contains 9 C2H2-type zinc fingers.                                                                                                                                                                                                                                                                                                      |
| <b>Post-translational modifications</b> | Ubiquitinated. Ubiquitination may lead to proteasome-mediated degradation.                                                                                                                                                                                                                                                              |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                               |
| <b>Background Descriptions</b>          | This gene encodes a transcription factor that interacts with methyl-CpG-binding protein-2 (MBD2), a component of the MeCP1 histone deacetylase (HDAC) complex, and plays a role in DNA methylation and transcription repression. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Aug 2011] |

## Additional Information

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| <b>Gene ID</b>     | 25988                                                                                                                                                                                                                                                                                                                                          |
| <b>Other Names</b> | MIZF; HiNF-P; ZNF743; RGD1311492; HINFP_BOVIN; HINFP; Histone nuclear factor P (HiNF-P); MBD2-interacting zinc finger protein; Methyl-CpG-binding protein 2-interacting zinc finger protein; HINFP_HUMAN; HINFP_MOUSE; histone H4 transcription factor; MBD2-interacting zinc finger 1; MBD2-interacting zinc finger; histone nuclear factor P |
| <b>Dilution</b>    | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500                                                                                                                                                                                                                                                                                                   |
| <b>Storage</b>     | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                                                                                                |

## Protein Information

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| <b>Name</b>              | HINFP                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>          | MIZF, ZNF743                                                                                                                                                                                                                                                                                                                                                    |
| <b>Function</b>          | Transcriptional repressor that binds to the consensus sequence 5'-CGGACGTT-3' and to the RB1 promoter. Transcriptional activator that promotes histone H4 gene transcription at the G1/S phase transition in conjunction with NPAT. Also activates transcription of the ATM and PRKDC genes. Autoregulates its expression by associating with its own promoter. |
| <b>Cellular Location</b> | Nucleus. Note=Associated with discrete nuclear foci                                                                                                                                                                                                                                                                                                             |
| <b>Tissue Location</b>   | Ubiquitous. Highly expressed in brain, heart, skeletal muscle, spleen, kidney, small intestine, placenta and liver                                                                                                                                                                                                                                              |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.