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# PAG608 Rabbit pAb

Catalog # AP98631

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q9HA38 |
| **Other Accession** | Q9HA38 |
| **Reactivity** | Rat, Human |
| **Predicted** | Mouse, Chicken, Dog, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 32059 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human WIG-1 |
| **Epitope Specificity** | 51-150/289 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 3 matrin-type zinc fingers. |
| **SUBUNIT** | Interacts with dsRNA. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | This gene encodes a protein containing three zinc finger domains and a nuclear localization signal. The mRNA and the protein of this gene are upregulated by wildtype p53 and overexpression of this gene inhibits tumor cell growth, suggesting that this gene may have a role in the p53-dependent growth regulatory pathway. Alternative splicing of this gene results in two transcript variants encoding two isoforms differing in only one amino acid. |

## Additional Information

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| **Gene ID** | 64393 |
| **Other Names** | PAG608; WIG-1; WIG1; ZMAT3_HUMAN; ZMAT3; Zinc finger protein WIG-1; p53-activated gene 608 protein; ZMAT3_MOUSE; Wild-type p53-induced gene 1 protein; ZMAT3_RAT; zinc finger matrin-type 3 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 |
| **Storage** | 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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| **Name** | ZMAT3 {ECO:0000312\|EMBL:AAH02896.1} |
| **Function** | Acts as a bona fide target gene of p53/TP53. May play a role in the TP53-dependent growth regulatory pathway. May contribute to TP53-mediated apoptosis by regulation of TP53 expression and translocation to the nucleus and nucleolus. |
| **Cellular Location** | Nucleus. Nucleus, nucleolus |
| **Tissue Location** | Highly expressed in adult brain, and moderately in adult kidney and testis. Not detected in fetal brain, heart, pancreas, adrenal gland, liver or small intestine. |

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