

# OAZ2 Rabbit pAb

OAZ2 Rabbit pAb  
Catalog # AP56050

## Product Information

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| <b>Application</b>          | WB, IHC-P, IHC-F, IF, E                                                                                                   |
| <b>Primary Accession</b>    | <a href="#">O95190</a>                                                                                                    |
| <b>Predicted</b>            | Rat, Human, Mouse, Horse                                                                                                  |
| <b>Host</b>                 | Rabbit                                                                                                                    |
| <b>Clonality</b>            | Polyclonal                                                                                                                |
| <b>Calculated MW</b>        | 21011                                                                                                                     |
| <b>Physical State</b>       | Liquid                                                                                                                    |
| <b>Immunogen</b>            | KLH conjugated synthetic peptide derived from human OAZ2                                                                  |
| <b>Epitope Specificity</b>  | 31-130/189                                                                                                                |
| <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>SUBCELLULAR LOCATION</b> | Nucleus (By similarity).                                                                                                  |
| <b>Important Note</b>       | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

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| <b>Gene ID</b>     | 4947                                                                                                                                                                                            |
| <b>Other Names</b> | Ornithine decarboxylase antizyme 2, AZ2, ODC-Az 2, OAZ2                                                                                                                                         |
| <b>Dilution</b>    | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000                                                                                                  |
| <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>     | OAZ2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b> | Ornithine decarboxylase (ODC) antizyme protein that negatively regulates ODC activity and intracellular polyamine biosynthesis and uptake in response to increased intracellular polyamine levels. Binds to ODC monomers, inhibiting the assembly of the functional ODC homodimers. Does not target the ODC monomers for degradation, which allows a protein synthesis-independent restoration of ODC activity (PubMed: <a href="#">17900240</a> ). Involved in the translocation of AZIN2 from ER-Golgi intermediate |

compartment (ERGIC) to the cytosol (By similarity).

**Cellular Location**

Nucleus.

## **Background**

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