

# TOB Rabbit pAb

Catalog # AP99306

## Product Information

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| <b>Application</b>                      | IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                            |
| <b>Primary Accession</b>                | <a href="#">P50616</a>                                                                                                                                                                                                                                                                                                                                      |
| <b>Other Accession</b>                  | <a href="#">P50616</a>                                                                                                                                                                                                                                                                                                                                      |
| <b>Host</b>                             | Rabbit                                                                                                                                                                                                                                                                                                                                                      |
| <b>Clonality</b>                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                  |
| <b>Calculated MW</b>                    | 38155                                                                                                                                                                                                                                                                                                                                                       |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human TOB                                                                                                                                                                                                                                                                                                     |
| <b>Epitope Specificity</b>              | 131-230/345                                                                                                                                                                                                                                                                                                                                                 |
| <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>                       | Belongs to the BTG family.                                                                                                                                                                                                                                                                                                                                  |
| <b>SUBUNIT</b>                          | Interacts with ERBB2. Interacts with CNOT7 and CNOT8.                                                                                                                                                                                                                                                                                                       |
| <b>Post-translational modifications</b> | Phosphorylated on Ser and Thr residues.                                                                                                                                                                                                                                                                                                                     |
| <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 member of the transducer of erbB-2 /B-cell translocation gene protein family. Members of this family are anti-proliferative factors that have the potential to regulate cell growth. The encoded protein may function as a tumor suppressor. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011] |

## Additional Information

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| <b>Gene ID</b>     | 10140                                                                                                                                                                                           |
| <b>Other Names</b> | APRO5; APRO6; PIG49; TOB; TROB; TROB1; TOB1_HUMAN; TOB1; Transducer of erbB-2 1; TOB1_MOUSE; TOB1_RAT; transducer of ERBB2, 1                                                                   |
| <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> | TOB1 |
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| <b>Synonyms</b>          | TOB, TROB1                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>          | Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex (PubMed: <a href="#">23236473</a> , PubMed: <a href="#">8632892</a> ). Mediates CPEB3-accelerated mRNA deadenylation by binding to CPEB3 and recruiting CNOT7 which leads to target mRNA deadenylation and decay (PubMed: <a href="#">21336257</a> ). |
| <b>Cellular Location</b> | Cytoplasm. Nucleus. Note=Only a small fraction localizes to the cytoplasm except in late S- phase where more than half of proteins become cytoplasmic                                                                                                                                                                                                                       |
| <b>Tissue Location</b>   | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                 |

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