10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# TEAD1 Recombinant Rabbit mAb

Catalog # AP96673

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF, IP |
| **Primary Accession** | P28347, Q15561, Q15562, Q99594 |
| **Other Accession** | P28347, Q15561, Q15562, Q99594 |
| **Reactivity** | Rat, Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Recombinant |
| **Calculated MW** | 47946 |
| **Physical State** | Liquid |
| **Immunogen** | A synthesized peptide derived from human TEAD1 |
| **Epitope Specificity** | 201-248/426 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. |
| **SUBUNIT** | Interacts with YAP1 and WWTR1/TAZ. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. |

## Additional Information

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| **Gene ID** | 7003 |
| **Other Names** | AA; NTEF-1; REF1; TCF-13; TCF13; TEAD-1; TEF-1; TEA domain transcription factor 1; atrophia areata, peripapillary chorioretinal degeneration; TEA domain family member 1 (SV40 transcriptional enhancer factor); transcriptional enhancer factor 1 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,IP=1:20-50 |
| **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** | TEAD1 |
| **Synonyms** | TCF13, TEF1 |

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| **Function** | Transcription factor which plays a key role in the Hippo signaling pathway, a pathway involved in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Acts by mediating gene expression of YAP1 and WWTR1/TAZ, thereby regulating cell proliferation, migration and epithelial mesenchymal transition (EMT) induction. Binds specifically and cooperatively to the SPH and GT-IIC 'enhansons' (5'-GTGGAATGT-3') and activates transcription in vivo in a cell-specific manner. The activation function appears to be mediated by a limiting cell-specific transcriptional intermediary factor (TIF). Involved in cardiac development. Binds to the M-CAT motif. |
| **Cellular Location** | Nucleus. |
| **Tissue Location** | Preferentially expressed in skeletal muscle. Lower levels in pancreas, placenta, and heart |

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