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TEAD1/2/3/4 Recombinant Rabbit mAb

Catalog # AP96658

Product Information

Application	WB
Primary Accession	P28347, Q15561, Q15562, Q99594
Other Accession	P28347, Q15561, Q15562, Q99594
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	47946
Physical State	Liquid
Immunogen	A synthesized peptide derived from human TEAD1
Epitope Specificity	150-300
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

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
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

Name	TEAD1
Synonyms	TCF13, TEF1

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'.