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TEAD1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP6858b

Specification

TEAD1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P28347

TEAD1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7003

Other Names
Transcriptional enhancer factor TEF-1, NTEF-1, Protein GT-IIC, TEA domain family member 1, TEAD-1, Transcription factor 13, TCF-13, TEAD1, TCF13, TEF1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP6858b was selected from the C-term region of human TEAD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TEAD1 Antibody (C-term) Blocking Peptide - 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

TEAD1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TEAD1 Antibody (C-term) Blocking Peptide - Images

TEAD1 Antibody (C-term) Blocking Peptide - Background

TEAD1 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). It is involved in cardiac development and binds to the M-CAT motif.

TEAD1 Antibody (C-term) Blocking Peptide - References

Tosi,J., et.al., Ophthalmology 116 (5), 971-980 (2009)