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Datasheet for ABIN2780491
anti-TEAD4 antibody (C-Term)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TEAD4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Horse, Cow, Dog, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TEAD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human TEAD4
Sequence:	MMNSVLENFT ILQVVTNRDT QETLLCIAYV FEVSASEHGA QHHIYRLVKE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against TEAD4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TEAD4
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Target Details

Alternative Name: TEAD4 ([TEAD4 Products](#))

Background: TEAD4 is a member of the transcriptional enhancer factor (TEF) family. The family members contain the TEA/ATTS DNA-binding domain. TEAD4 is preferentially expressed in skeletal muscle, and binds to the M-CAT regulatory element which directs muscle-specific gene expression. TEAD4 is encoded through the use of a non-AUG (TTG) translation initiation codon. This gene encodes a member of the transcriptional enhancer factor (TEF) family. The family members contain the TEA/ATTS DNA-binding domain. This member is preferentially expressed in skeletal muscle, and binds to the M-CAT regulatory element which directs muscle-specific gene expression. The protein is encoded through the use of a non-AUG (TTG) translation initiation codon. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Alias Symbols: TEF3, RTEF1, TEF-3, EFTR-2, TEFR-1, TCF13L1, hRTEF-1B

Protein Interaction Partner: CCDC172, SSX2IP, LZTS2, CEP70, CEP55, RABGEF1, CCNDBP1, KIAA0753, PNMA1, TRAF1, VPS52, TRIM27, GOLGA2, UBC, SUMO2, CCDC85B, WWTR1, YAP1, VGLL1, MYH7,

Protein Size: 434

Molecular Weight: 48 kDa

Gene ID: 7004

NCBI Accession: [NM_003213](#), [NP_003204](#)

UniProt: [Q96BK2](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 434 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

sucrose.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

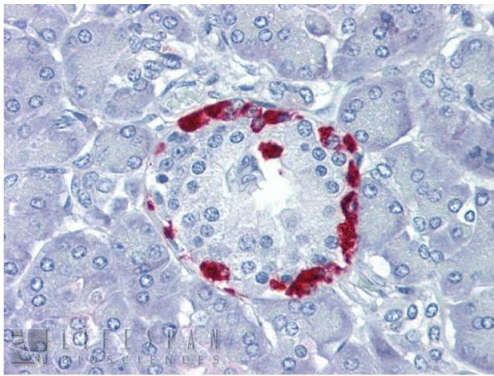
Product cited in: Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). ..." in: **Genome research**, Vol. 14, Issue 10B, pp. 2121-7, (2004) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-TEAD4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 293T cell lysate TEAD4 is supported by BioGPS gene expression data to be expressed in HEK293T

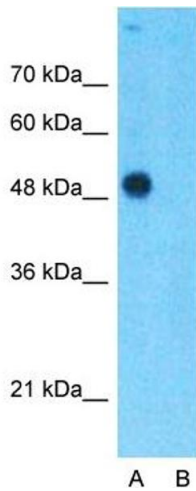


Rabbit Anti-TEAD4 Antibody
Catalog Number: ARP38276
Lot Number: QC8110
Paraffin Embedded Tissue: Human Pancreas
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

Immunohistochemistry

Image 2. Immunohistochemistry with Human Pancreas lysate tissue at an antibody concentration of 5.0µg/ml using anti-TEAD4 antibody



Western Blotting

Image 3. Host: Rabbit Target Name: TEAD4 Sample Type: 293T Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1µg/ml Peptide Concentration: 5µg/ml Lysate Quantity: 25µg/lane/lane Gel Concentration: 0.12