antibodies .- online.com







anti-TBX3 antibody (Middle Region)

Images

Publications



Overview

Quantity:	100 μL
Target:	TBX3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBX3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TBX3
Sequence:	CRDKGSPAVK AHLFAAERPR DSGRLDKASP DSRHSPATIS SSTRGLGAEE
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TBX3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

Target Details

Target:	TBX3
Alternative Name:	TBX3 (TBX3 Products)

Target Details

rarget Details	
Background:	TBX3 is a member of a phylogenetically conserved family of genes that share a common DNA-
	binding domain, the T-box. T-box genes encode transcription factors involved in the regulation
	of developmental processes. This protein is a transcriptional repressor and is thought to play a
	role in the anterior/posterior axis of the tetrapod forelimb. Mutations in this gene cause ulnar-
	mammary syndrome, affecting limb, apocrine gland, tooth, hair, and genital development.
	Alternative splicing of this gene results in three transcript variants encoding different isoforms,
	however, the full length nature of one variant has not been determined.
	Alias Symbols: UMS, XHL, TBX3-ISO
	Protein Interaction Partner: CA8, AES, SOX2, Dlg4, ELAVL1, HDAC5, HDAC3, HDAC2, HDAC1,
	TOLLIP, TBX3,
	Protein Size: 600
Molecular Weight:	66 kDa
Gene ID:	6926
Pathways:	Hormone Transport, Stem Cell Maintenance, Regulation of Muscle Cell Differentiation, Skeletal
	Muscle Fiber Development
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 600 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 %
	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

Handling

Storage Comment:

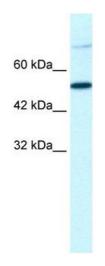
For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

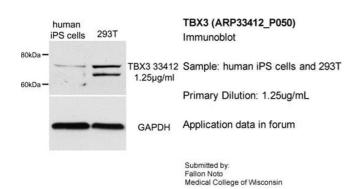
Gerhard, Wagner, Feingold, Shenmen, Grouse, Schuler, Klein, Old, Rasooly, Good, Guyer, Peck, Derge, Lipman, Collins, Jang, Sherry, Feolo, Misquitta, Lee, Rotmistrovsky, Greenhut, Schaefer, Buetow et al.: "The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection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

Images



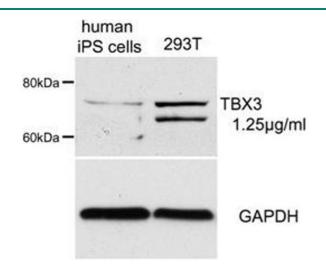
Western Blotting

Image 1. WB Suggested Anti-TBX3 Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate TBX3 is supported by BioGPS gene expression data to be expressed in HepG2



Western Blotting

Image 2. Sample Type: human iPS cells and 293T cell lysatePrimary Dilution: 1.25ug/mL



Western Blotting

Image 3. Sample Type: human iPS cells and 293T cell lysatePrimary Dilution: 1.25ug/mL