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TBX6 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10508

Product Information

Application	WB, IHC
Primary Accession	O95947
Other Accession	NM_004608, NP_004599
Reactivity	Human, Mouse, Rat, Pig, Dog, Bovine
Predicted	Human, Mouse, Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47045

Additional Information

Gene ID	6911
Alias Symbol	DFNB67
Other Names	T-box transcription factor TBX6, T-box protein 6, TBX6
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-TBX6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	TBX6 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

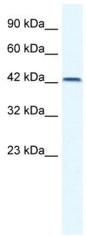
Name	TBX6
Function	T-box transcription factor that plays an essential role in the determination of the fate of axial stem cells: neural vs mesodermal. Acts in part by down-regulating, a specific enhancer (N1) of SOX2, to inhibit neural development. Seems to play also an essential role in left/right axis determination and acts through effects on Notch signaling around the node as well as through an effect on the morphology and motility of the nodal cilia (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00201}.
Tissue Location	Expressed in fetal tail bud, posterior spinal tissue, intervertebral disk and

testis. Also expressed in adult testis, kidney, lung, muscle and thymus

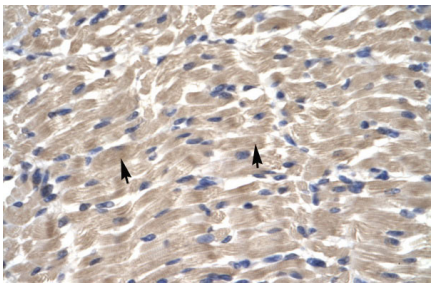
References

Papapetrou,C., et al., (1999) Genomics 55 (2), 238-241Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.Publications:Leschik, J., Stefanovic, S., Brinon, B. & Pucéat, M. Cardiac commitment of primate embryonic stem cells. Nat. Protoc. 3, 1381-7 (2008). ICC/IF, Pig, Rat, Horse, Human, Mouse, Bovine, Dog, Guinea pig18772864Chen, Y.-L. et al. Smad6 inhibits the transcriptional activity of Tbx6 by mediating its degradation. J. Biol. Chem. 284, 23481-90 (2009). WB, Pig, Rat, Horse, Human, Mouse, Bovine, Dog, Guinea pig19561075

Images



WB Suggested Anti-TBX6 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:625
Positive Control: Human Placenta



Human Muscle

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