

Anti-TBX1 Polyclonal Antibody 3

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Pig,Horse,Rabbit)
Molecular Weight:	Theoretical: 43 kDa. Actual: 53 kDa.
Purification:	Protein A purified

Applications

Sample:	Lane 1: Mouse Muscle tissue lysates Lane 2: Mouse Heart tissue lysates Lane 3: Rat Muscle tissue lysates Lane 4: Rat Kidney tissue lysates
Verified Activity:	Primary: Anti-TBX1 (TMAB-13405) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 43 kDa Observed band size: 53 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TBX1
Antigen Species:	Human
Gene ID:	6899
Uniprot ID:	O43435

Research Background

This gene 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 gene product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS) /velocardiofacial syndrome (VCFS), a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where this gene has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008].

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