

TBX5 Monoclonal Antibody

Catalog No :	YM0611
Reactivity :	Human
Applications :	WB;ELISA
Target :	TBX5
Gene Name :	TBX5
Protein Name :	T-box transcription factor TBX5
Human Gene Id :	6910
Human Swiss Prot No :	Q99593
Mouse Swiss Prot No :	P70326
Immunogen :	Purified recombinant fragment of TBX5 expressed in E. Coli.
Specificity :	TBX5 Monoclonal Antibody detects endogenous levels of TBX5 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	58kD
P References :	1. Physiol Genomics. 2004 Jul 8;18(2):129-40. 2. J Mol Cell Cardiol. 2003 Oct;35(10):1191-5.

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 is closely linked to related family member T-box 3 (ulnar mammary syndrome) on human chromosome 12. The encoded protein may play a role in heart development and specification of limb identity. Mutations in this gene have been associated with Holt-Oram syndrome, a developmental disorder affecting the heart and upper limbs. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],

Function :

disease:Defects in TBX5 are the cause of Holt-Oram syndrome (HOS) [MIM:142900]. HOS is a developmental disorder affecting the heart and upper limbs. It is characterized by thumb anomaly and atrial septal defects.,function:Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.,similarity:Contains 1 T-box DNA-binding domain.,

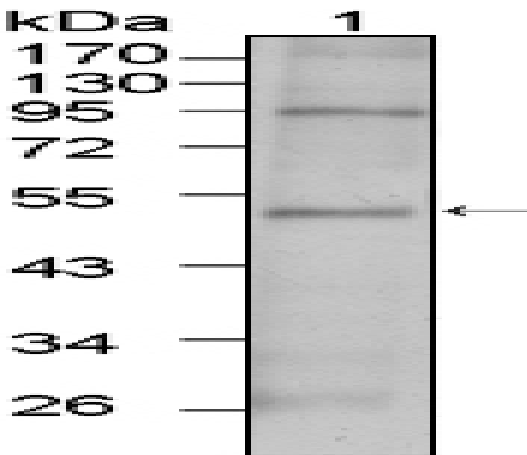
Subcellular Location :

Nucleus . Cytoplasm . Shuttles between the cytoplasm and the nucleus. Acetylation at Lys-339 promotes nuclear retention. .

Expression :

Lung,Spleen,

Products Images



Western Blot analysis using TBX5 Monoclonal Antibody against HepG2 cell lysate (1).