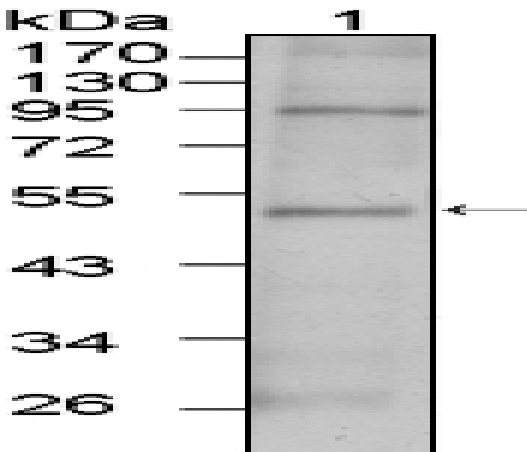


**TBX5 Monoclonal Antibody**

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

<b>Background :</b>	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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Nucleus . Cytoplasm . Shuttles between the cytoplasm and the nucleus. Acetylation at Lys-339 promotes nuclear retention. .
<b>Expression :</b>	Lung,Spleen,
<b>Sort :</b>	16982
<b>No4 :</b>	1
<b>Host :</b>	Mouse
<b>Modifications :</b>	Unmodified

## Products Images



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