



TBX5 Monoclonal Antibody

Catalog No	YP-Ab-01026
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	TBX5
Immunogen	Purified recombinant fragment of TBX5 expressed in E. Coli.
Specificity	TBX5 Monoclonal Antibody detects endogenous levels of TBX5 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TBX5;T-box transcription factor TBX5;T-box protein 5;T box 5;HOS
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Cytoplasm . Shuttles between the cytoplasm and the nucleus. Acetylation at Lys-339 promotes nuclear retention. .
Tissue Specificity	Lung,Spleen,
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.,
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],

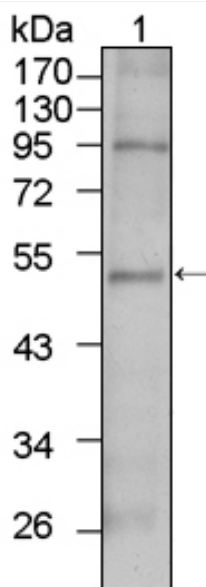
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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