

Anti-TBX5 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Rat,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 50 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Paraformaldehyde-fixed, paraffin embedded (Human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TBX-5) Polyclonal Antibody, Unconjugated (TMAB-13415) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p> <p>2. Blank control (black line): Hela. Primary Antibody (green line): Rabbit Anti-TBX5 antibody (TMAB-13415) Dilution: 1 µg/Test; Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488 Dilution: 0.5 µg/Test. Isotype control (orange line): Normal Rabbit IgG</p>
	<p>Protocol The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p>
Application:	IHC-P,IHC-Fr,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

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 TBX-5
Antigen Species: Human
Gene ID: 6910
Uniprot ID: Q99593

Research Background

Involved in the transcriptional regulation of genes required for mesoderm differentiation. Probably plays a role in limb pattern formation.

Involvement in disease: Defects in TBX5 are the cause of Holt-Oram syndrome (HOS). HOS is a developmental disorder affecting the heart and upper limbs. It is characterized by thumb anomaly and atrial septal defects.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481