

bs-20034R**[Primary Antibody]****Bioss**
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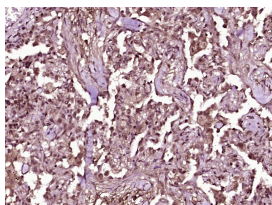
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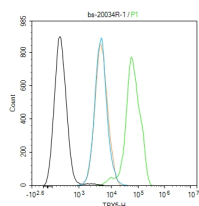
400-901-9800

TBX5 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test) Reactivity: Human (predicted: Mouse, Rat, Sheep, Cow, Horse) Predicted MW.: 50 kDa Subcellular Location: Nucleus
Clonality: Polyclonal		
GeneID: 6910	SWISS: Q99593	
Target: TBX5		
Immunogen: KLH conjugated synthetic peptide derived from human TBX-5: 1-100/518.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
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.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (Human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TBX-5) Polyclonal Antibody, Unconjugated (bs-20034R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control (black line) :HeLa. Primary Antibody (green line): Rabbit Anti-TBX5 antibody (bs-20034R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min 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.