

bs-8257R**[Primary Antibody]**

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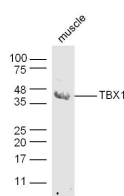
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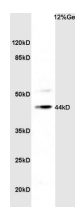
400-901-9800

TBX1 Rabbit pAb**— DATASHEET —**

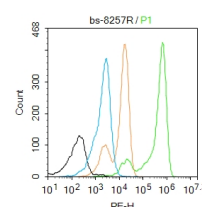
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (2ug/Test)
Clonality: Polyclonal		
GeneID: 6899	SWISS: O43435	Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog, Horse)
Target: TBX1		
Immunogen: KLH conjugated synthetic peptide derived from human TBX1: 165-270/398.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 43 kDa
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.		Subcellular Location: Nucleus
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 product shares 98% amino acid sequence identity with the mouse ortholog. DiGeorge syndrome (DGS)/velocardiofacial syndrome (VCFS), a common congenital disorder characterized by neural-crest-related developmental defects, has been associated with deletions of chromosome 22q11.2, where this gene has been mapped. Studies using mouse models of DiGeorge syndrome suggest a major role for this gene in the molecular etiology of DGS/VCFS. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

Sample: Muscle (Mouse) Lysate at 40 ug Primary:
Anti-TBX1 (bs-8257R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 43 kD
Observed band size: 43 kD



Sample: Brain (Rat) Lysate at 40 ug Primary:
Anti-TBX1 (bs-8257R) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG
(bs-0295G-HRP) at 1/5000 dilution Predicted
band size: 43 kD Observed band size: 44 kD



Blank control:K562. Primary Antibody (green line): Rabbit Anti-TBX1 antibody (bs-8257R)
Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. 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.