

bs-21501R**[Primary Antibody]****Bioss**
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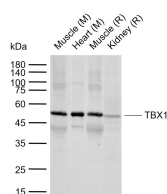
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TBX1 Rabbit pAb**DATASHEET**

Host: Rabbit Clonality: Polyclonal GeneID: 6899 Target: TBX1 Immunogen: KLH conjugated synthetic peptide derived from human TBX1 : 251-350/398. 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: 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].	Isotype: IgG SWISS: O43435	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Chicken, Horse) Predicted MW.: 43 kDa Subcellular Location: Nucleus
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VALIDATION IMAGES

Sample: Lane 1: Mouse Muscle tissue lysates
Lane 2: Mouse Heart tissue lysates Lane 3: Rat Muscle tissue lysates Lane 4: Rat Kidney tissue lysates
Primary: Anti-TBX1 (bs-21501R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 43 kDa Observed band size: 53 kDa

SELECTED CITATIONS

- **[IF=6.543]** Zhong Li. et al. The TBX1/miR-193a-3p/TGF- β 2 Axis Mediates CHD by Promoting Ferroptosis. Oxid Med Cell Longev. 2022;2022:5130546 WB ;Human. 35035663
- **[IF=4.848]** Cui Jie. et al. TBX1 Functions as a Tumor Activator in Prostate Cancer by Promoting Ribosome RNA Gene Transcription. Front Oncol. 2021 Jan;10:3235 IHC ;Human. 33575219
- **[IF=4.739]** Haifang Li. et al. Peripheral IL-6/STAT3 signaling promotes beiging of white fat. Bba-Mol Cell Res. 2021 Sep;1868:119080 WB ;Mouse. 34174290

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.