

**bs-4748R****[ Primary Antibody ]****TBX18 Rabbit pAb****BioSS**  
**ANTIBODIES**

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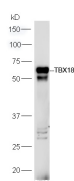
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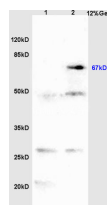
400-901-9800

**— DATASHEET —**

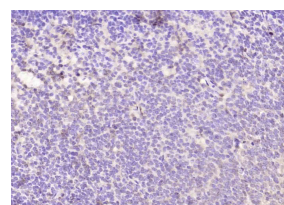
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b>  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Dog, Horse)  <b>Predicted MW.:</b> 65 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 9096	<b>SWISS:</b> Q95935	
<b>Target:</b> TBX18		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human TBX18: 201-300/607.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> T-box transcription factors are a group of phylogenetically conserved genes that contain a uniquely defining DNA-binding domain, the T-box domain. These genes are believed to be involved in the regulation of development processes, for example the development of limbs, and it is known that haploinsufficiency of multiple T-box proteins results in severe human congenital malformation syndromes, involving craniofacial, cardiovascular, and skeletal structures. TBX 18 has been reported to be involved in numerous development processes and to act as an antiapoptotic factor.		

**— VALIDATION IMAGES —**

Sample: HT29 Cell lysate at 30ug; Primary: Anti-TBX18 (bs-4748R) at 1:300 dilution; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000 dilution; Predicted band size: 65 kD Observed band size: 65 kD



Sample: line1: Mouse embryo lysate at 45ug; line2: Mouse brain lysate at 45ug; Primary: Anti-TBX18(bs-4748R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 65kD Observed band size : 67kD We are unsure as to the identity of these extra bands



Paraformaldehyde-fixed, paraffin embedded (mouse embryo); 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 (TBX18) Polyclonal Antibody, Unconjugated (bs-4748R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.