

**bs-1243R****[ Primary Antibody ]****TPM2 Rabbit pAb****Bioss**  
**ANTIBODIES**

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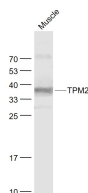
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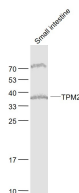
400-901-9800

**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 7169**SWISS:** P07951**Target:** TPM2**Immunogen:** KLH conjugated synthetic peptide derived from human TPM2: 11-130/284.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

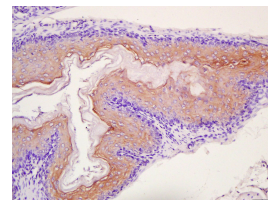
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Tropomyosin is a dimeric coiled coil protein that binds along the length of actin filaments. It is associated with the thin filaments of muscle cells and the microfilaments of nonmuscle cells. Chicken embryo fibroblasts (CEF) contain five isoforms of tropomyosin (α, β, γ, δ, and ε), identified as such by their different apparent molecular masses after separation by SDS-PAGE, but similar biochemical properties, such as resistance to heat and organic solvents, the ability to bind to F actin filaments, and the lack of proline and tryptophan.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse  
(predicted: Rat, Rabbit, Cow, Chicken, Dog)**Predicted MW.:** 33 kDa**Subcellular Location:** Cytoplasm**VALIDATION IMAGES**

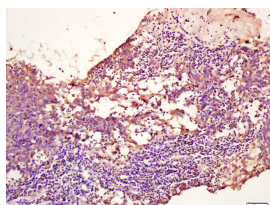
Sample: Small intestine (Mouse) Lysate at 40 ug  
 Primary: Anti- TPM2 (bs-1243R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 33 kD Observed band size: 35 kD



Sample: Small intestine (Mouse) Lysate at 40 ug  
 Primary: Anti- TPM2 (bs-1243R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 33 kD Observed band size: 35 kD



Tissue/cell: mouse stomach wall; 4%  
 Paraformaldehyde-fixed and paraffin-  
 embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block  
 endogenous peroxidase by 3% Hydrogen  
 peroxide for 30min; Blocking buffer (normal goat  
 serum, C-0005) at 37°C for 20 min; Incubation:  
 Anti-TPM2 Polyclonal Antibody,  
 Unconjugated(bs-1243R) 1:200, overnight at 4°C,  
 followed by conjugation to the secondary  
 antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human breast carcinoma; 4%  
 Paraformaldehyde-fixed and paraffin-  
 embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block  
 endogenous peroxidase by 3% Hydrogen

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peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-TPM2 Polyclonal Antibody, Unconjugated(bs-1243R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

## — SELECTED CITATIONS —

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- **[IF=4.1]** Seunghoon Kim. et al. Multiregional single-cell transcriptomics reveals an association between partial EMT and immunosuppressive states in oral squamous cell carcinoma. ISCIENCE. 2025 六月 23 IF ;Human. 10.1016/j.isci.2025.112988