

**bs-0964R****[ Primary Antibody ]****BioSS**  
**ANTIBODIES**

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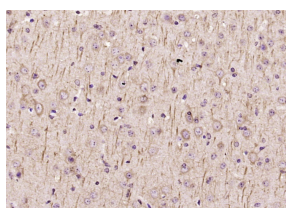
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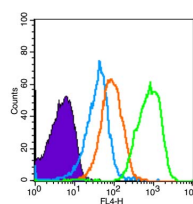
400-901-9800

**TRIM32 Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 69807	<b>SWISS:</b> Q8CH72	<b>IF</b> (1:100-500)
<b>Target:</b> TRIM32		<b>Flow-Cyt</b> (3ug/Test)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse TRIM32: 301-400/655.		<b>Reactivity:</b> Mouse (predicted: Human, Rat)
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 72 kDa
<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>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Background:</b> Tripartite motif-containing protein 32 (TRIM32) belongs to the tripartite motif (TRIM) protein family. TRIM32, like all TRIM proteins, contains a domain structure composed of a B-box, a RING-finger and a coiled-coil motif. Additionally, TRIM32 has six C-terminal NHL domains; it is expressed mainly in the skeletal muscle. The TRIM32 gene encodes an E3 ubiquitin ligase, a protein that attaches ubiquitin to a lysine residue on a target protein and acts in conjunction with ubiquitin-conjugating enzymes Ubch5a, Ubch5c and Ubch6. Mutations in the TRIM32 gene cause two forms of autosomal recessive muscular dystrophy designated limb girdle muscular dystrophy type 2H (LGMD2H) and sarcotubular myopathy (STM). TRIM32 mutations can also result in Bardet-Biedl syndrome (BBS), an autosomal recessive disorder characterized by pigmentary retinopathy, polydactyly, hypogenitalism, renal abnormalities, learning disabilities and obesity.		

**VALIDATION IMAGES**

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (TRIM32) Polyclonal Antibody, Unconjugated (bs-0964R) 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): Mouse spleen(Black).

Primary Antibody (green line): Rabbit Anti-TRIM32 antibody (bs-0964R) Dilution: 3μg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 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 room temperature. 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 10,000 events was performed.

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## — SELECTED CITATIONS —

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- **[IF=4.9]** Jiayu Ning. et al. Inhibitory Effect and Mechanism of the Down-Regulation of TRIM32 in Colorectal Cancer. INT J MOL SCI. 2025 May;26(11):5047 WB,IF,IHC ;Human. 40507857
- **[IF=3.6]** Lixiang Gu. et al. Mercuric chloride induced brain toxicity in mice: The protective effects of puerarin-loaded PLGA nanoparticles. J BIOCHEM MOL TOXIC. 2023 Jul;;e23425 IHC,WB ;Mouse. 37401655
- **[IF=2.6]** Fan Jin. et al. Quercetin alleviates kidney damage caused by mercury Chloride: The protective effects of quercetin on autophagy and inflammation were studied based on TRIM32/TLR4/LC3 pathway. TOXICON. 2024 Sep;248:108031 IHC ;Mouse. 39033964