

**bs-2744R****[ Primary Antibody ]**

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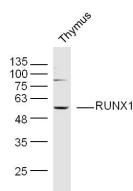
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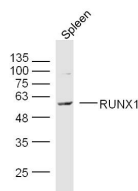
400-901-9800

**RUNX1 Rabbit pAb****— DATASHEET —**

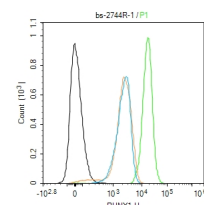
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>Flow-Cyt</b> (1ug/Test)  <b>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Cow, Dog, Horse)  <b>Predicted MW.:</b> 50 kDa  <b>Subcellular Location:</b> Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 860	<b>SWISS:</b> Q01196	
<b>Target:</b> RUNX1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human RUNX1: 101-200/453.		
<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> This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq, Jul 2008]		

**— VALIDATION IMAGES —**

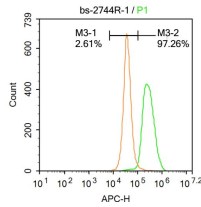
Sample: Thymus (Mouse) Lysate at 40 ug  
Primary: Anti-RUNX1 (bs-2744R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD  
Observed band size: 50 kD



Sample: Spleen (Mouse) Lysate at 40 ug Primary:  
Anti-RUNX1 (bs-2744R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD  
Observed band size: 50 kD



Blank control (black line) :Molt4. Primary Antibody (green line): Rabbit Anti-RUNX1 antibody (bs-2744R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG 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.



Blank control:A431. Primary Antibody (green line): Rabbit Anti-RUNX1 antibody (bs-2744R)  
Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : 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 -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.

## — SELECTED CITATIONS —

- **[IF=5.6]** Maggie Lutz. et al. Therapeutic Targeting of the GSK3β-CUGBP1 Pathway in Myotonic Dystrophy. INT J MOL SCI. 2023 Jan;24(13):10650 WB ;Mouse. 37445828
- **[IF=4.095]** Gao K et al. Regulation and function of runt-related transcription factors (RUNX1 and RUNX2) in goat granulosa cells.J Steroid Biochem Mol Biol. 2018 Jul;181:98-108. IHC ;Goat. 29626608
- **[IF=3.481]** Jinzhu Han. et al. Circ\_0027599 elevates RUNX1 expression via sponging miR-21-5p on gastric cancer progression. 2021 May 25 WB ;Human. 34032284