

**bs-2695R****[ Primary Antibody ]****RANK Rabbit pAb****Bioss**  
ANTIBODIES

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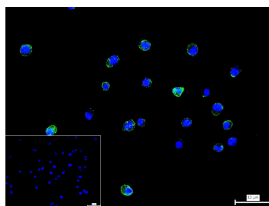
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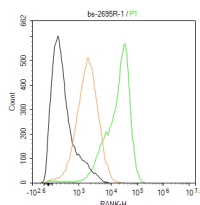
400-901-9800

**DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>Flow-Cyt</b> (1µg/test) <b>ICC/IF</b> (1:50-100)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 8792	<b>SWISS:</b> Q9Y6Q6	<b>Reactivity:</b> Human
<b>Target:</b> RANK		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human RANK: 51-150/616. < Extracellular >		<b>Predicted MW.:</b> 66 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cell membrane
<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> The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Aug 2012]		

**VALIDATION IMAGES**

4% Paraformaldehyde-fixed MJ (H) cell;  
Antibody incubation with (RANK) polyclonal Antibody, unconjugated (bs-2695R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The MJ (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.) , followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-RANK antibody (bs-2695R): 1 µg/10<sup>6</sup> cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

**SELECTED CITATIONS**

- **[IF=14.7]** Yajie Qian. et al.FTO-associated osteoclastogenesis promotes alveolar bone resorption in apical periodontitis male rat via the HK1/USP14/RANK pathway.NATURE COMMUNICATIONS.2025 Feb 11;16(1):1519. Western blot,IF ;Rat. 39934129
- **[IF=12.441]** Gao FP et al. Au Clusters Treat Rheumatoid Arthritis with Uniquely Reversing Cartilage/Bone Destruction.

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

Adv. Sci. 2019, 1801671. IHC ;Rat. 10.1002/advs.201801671

- **[IF=9]** Zhang Ying. et al. Clinical-mediated discovery of pyroptosis in CD8+ T cell and NK cell reveals melanoma heterogeneity by single-cell and bulk sequence. CELL DEATH DIS. 2023 Aug;14(8):1-14 IHC ;Human. 37620327
- **[IF=8.2]** Dating Pei. et al. Modulation of macrophage polarization by secondary cross-linked hyaluronan-dopamine hydrogels. INT J BIOL MACROMOL. 2024 Jun;270:132417 WB ;Mouse. 38759857
- **[IF=5.923]** Nanami Nakamura. et al. Possible Action of Olaparib for Preventing Invasion of Oral Squamous Cell Carcinoma In Vitro and In Vivo. Int J Mol Sci. 2022 Jan;23(5):2527 WB ;Mouse. 10.3390/ijms23052527