

**bs-7085R****[ Primary Antibody ]****CARD4 Rabbit pAb****Bioss**  
**ANTIBODIES**

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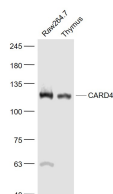
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse, Rat (predicted: Human)
<b>GeneID:</b> 10392	<b>SWISS:</b> Q9Y239	
<b>Target:</b> CARD4		<b>Predicted MW.:</b> 108 kDa
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CARD4: 51-150/953.		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<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> Enhances caspase-9-mediated apoptosis. Induces NF-kappa-B activity via RIPK2 and IKK-gamma. Confers responsiveness to intracellular bacterial lipopolysaccharides (LPS). Forms an intracellular sensing system along with ARHGEF2 for the detection of microbial effectors during cell invasion by pathogens. Required for RHOA and RIPK2 dependent NF-kappa-B signaling pathways activation upon S.flexneri cell invasion. Involved not only in sensing peptidoglycan (PGN)-derived mucopeptides but also in the activation of NF-kappa-B by Shigella effector proteins IpgB2 and OspB.		

**— VALIDATION IMAGES —**

Sample: Raw264.7(Mouse) Cell Lysate at 30 ug  
Thymus (Mouse) Lysate at 40 ug Primary: Anti-CARD4 (bs-7085R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 108 kD Observed band size: 108 kD

**— SELECTED CITATIONS —**

- **[IF=8.755]** Yuying He. et al. Activation of the pattern recognition receptor NOD1 in periodontitis impairs the osteogenic capacity of human periodontal ligament stem cells via p38/MAPK signalling. CELL PROLIFERAT. 2022 Aug;;e13330 WB,IHC,IF ;Human. 36043447
- **[IF=5.54]** Arentsen, T., et al. "The bacterial peptidoglycan-sensing molecule Pglyrp2 modulates brain development and behavior." Molecular Psychiatry (2016). IHC ;Mouse. 27843150
- **[IF=4.631]** Shiyuan Han. et al. Nucleotide - Binding Oligomerization Domain (NOD)-Like Receptor Subfamily C (NLRC) as a Prognostic Biomarker for Glioblastoma Multiforme Linked to Tumor Microenvironment: A Bioinformatics, Immunohistochemistry, and Machine Learning-Based Study. J INFLAMM RES. 2023 Feb 09 IHC ;Human. 36798872