

bs-4186R**[Primary Antibody]****BioSS**
ANTIBODIES

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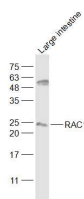
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RAC1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)
GeneID: 5879	SWISS: P63000	Predicted MW.: 22 kDa
Target: RAC1		Subcellular Location: Cell membrane ,Cytoplasm
Immunogen: KLH conjugated synthetic peptide derived from human RAC1: 85-192/192.		
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: The protein encoded by this gene is a GTPase which belongs to the RAS superfamily of small GTP-binding proteins. Members of this superfamily appear to regulate a diverse array of cellular events, including the control of cell growth, cytoskeletal reorganization, and the activation of protein kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]		

— VALIDATION IMAGES —

Sample: Large intestine (Mouse) Lysate at 40 ug
Primary: Anti-RAC1 (bs-4186R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at
1/20000 dilution Predicted band size: 22 kD
Observed band size: 23 kD

— SELECTED CITATIONS —

- **[IF=11.556]** Chao Tang. et al. Hedgehog signaling is controlled by Rac1 activity. Theranostics. 2022; 12(3): 1303–1320
WB,IP ;Mouse. 35154488
- **[IF=7.666]** Xue Wu. et al. RAC1, a Potential Diagnostic and Prognostic Marker for Diffuse Large B Cell Lymphoma.
CELLS-BASEL. 2022 Jan;11(24):4039 IHC ;Human. 36552804
- **[IF=4.7]** Xin Wu. et al. Exploration of chemical components and Rac1-dependent anti-hepatic fibrosis mechanism by
total flavonoids derived from Tetragium hemsleyanum. CHIN HERB MED. 2024 Dec; WB ;Rat.
10.1016/j.chmed.2024.12.003
- **[IF=3.448]** Yu C et al. LncRNA AC009022. 1 enhances colorectal cancer cells proliferation, migration, and invasion by
promoting ACTR3B expression via suppressing miR - 497 - 5p. J Cell Biochem. 2019 Oct 21. WB ;Human. 31637768
- **[IF=3.448]** Ma Q et al. Non - coenzyme role of vitamin B1 in RANKL - induced osteoclastogenesis and ovariectomy
induced osteoporosis. J Cell Biochem. 2020 Feb 26. WB ;mouse. 32100911

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