

bs-1731R**[Primary Antibody]****phospho-RAF1 (Ser338/Tyr340) Rabbit pAb****BioSS**
ANTIBODIES

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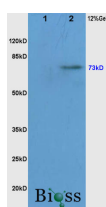
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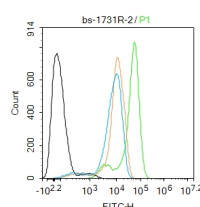
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (2ug/Test)
Clonality: Polyclonal		
GeneID: 5894	SWISS: P04049	
Target: RAF1 (Ser338/Tyr340)		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, GuineaPig, Horse)
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human RAF1 around the phosphorylation site of Ser338/Tyr340: RD(p-S)S(p-Y)YW.		Predicted MW.: 73 kDa
Purification: affinity purified by Protein A		Subcellular Location: Cell membrane ,Cytoplasm Nucleus
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 Raf family of serine/threonine specific kinases is comprised of three members (aRaf, bRaf, and cRaf) that play a critical role in regulating cell growth and differentiation, and couple growth factor receptor stimulation to nuclear transcription factors via the Ras/mitogen activated protein kinase (MAPK) pathway. cRaf kinase (also known as Raf1) is a small GTPase like kinase of 73 kDa, and is a signal transducer of multiple extracellular stimuli that is regulated by several pathways, and that once activated, phosphorylates MEK which in turn phosphorylates ERK. Raf1 is involved in the transduction of mitogenic signals from the cell membrane to the nucleus. It is part of the Ras dependent signaling pathway from receptors to the nucleus.		

— VALIDATION IMAGES —

Sample: Lane1: Liver(Mouse) Lysate at 40 ug
Lane2: Brain(Mouse) Lysate at 40 ug
Primary: Anti-phospho-c-Raf(Ser338/Tyr340) (bs-1731R) at 1:200 dilution; Secondary: HRP conjugated Goat Anti-Rabbit IgG(bs-0295G-HRP) at 1: 3000 dilution; Predicted band size : 73kD Observed band size : 73kD



Blank control: THP-1. Primary Antibody (green line): Rabbit Anti-phospho-c-Raf (Ser338/Tyr340) antibody (bs-1731R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST 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 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=6.317]** Shiqing Sun. et al. Pharmacodynamic structure of deer antler base protein and its mammary gland

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

hyperplasia inhibition mechanism by mediating Raf-1/MEK/ERK signaling pathway activation. FOOD FUNCT. 2023 Mar;; WB ;Rat. 36939833

- **[IF=5.1]** Dongliu Luo. et al. The mechanism of acrolein exposure inhibited the release of neutrophil extracellular traps: By reducing respiratory burst and Raf/MEK/ERK pathway and promote cell apoptosis. CHEM-BIOL INTERACT. 2023 Nov;385:110744 WB ;Chicken. 37806080
- **[IF=2.53]** Li Y et al. Ecdysterone Accelerates Healing of Radiation-Induced Oral Mucositis in Rats by Increasing Matrix Cell Proliferation. Radiat Res. 2019 Mar;191(3):237-244. WB ;Rat. 30694732