

[Primary Antibody]

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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Recombinant

CloneNo.: 4G2

GeneID: 5894

SWISS: P04049

Target: Phospho-RAF1 (Ser43)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human RAF1 around the phosphorylation site of Ser43: RA(p-S)DD.

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 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.

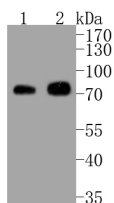
Applications: WB (1:500-2000)

Reactivity: Human, Mouse
(predicted: Rat)

Predicted
MW.: 71 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

— VALIDATION IMAGES



Sample: Lane 1: NIH/3T3 cell lysate Lane 2: 293T

cell lysate Primary: Anti-Phospho-Raf1 (Ser43)

(bsm-52195R) at 1/500 dilution Secondary: Goat

Anti-Rabbit IgG - HRP at 1:5000 dilution

Predicted band size: 71 kD Observed band size:

71 kD

— SELECTED CITATIONS

- **[IF=4.039]** Wen-Bo Zhang. et al. Down-regulating of MFN2 promotes vascular calcification via regulating RAS-RAF-ERK1/2 pathway. INT J CARDIOL. 2022 Jun;; **WB** ;Mouse. 35716948