Anti-Phospho-Raf1 (Ser43) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014439

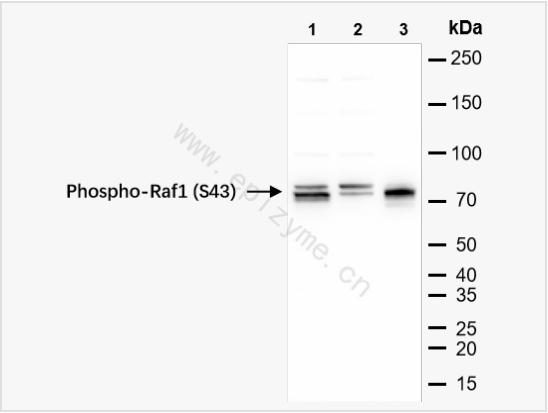
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	64H04P02
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Phospho-Raf1 (S43)
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Raf1 (Ser43) Rabbit mAb [93M26K31] is for research use only and not for use in diagnostic or therapeutic procedures.

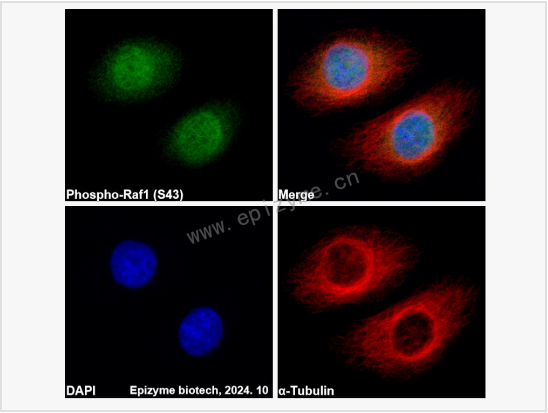
Protein Information

Synonyms	c Raf, C-raf, C-Raf proto-oncogene, serine/threonine kinase, CMD1NN, Craf 1 transforming gene, cRaf, Craf1 transforming gene, EC 2.7.11.1, kinase Raf1, Murine sarcoma 3611 oncogene 1, NS5, Oncogene MIL, Oncogene RAF1, OTTHUMP00000160218, OTTHUMP00000207813, OTTHUMP00000209389, Protein kinase raf 1, Proto-oncogene c-RAF, Raf 1, Raf 1 proto oncogene serine/threonine kinase, RAF, Raf proto oncogene serine/threonine protein kinase, RAF proto-oncogene serine/threonine-protein kinase, RAF-1, RAF1, RAF1_HUMAN, Similar to murine leukemia viral (V-raf-1) oncogene homolog 1, TRANSFORMING REPLICATION-DEFECTIVE MURINE RETROVIRUS 3611-MSV, v raf 1 murine leukemia viral oncogene homolog 1, v-raf murine sarcoma viral oncogene homolog 1, v-raf-1 murine leukemia viral oncogene-like protein 1, vraf1 murine leukemia viral oncogene homolog 1.
Calculated MW	Calculated MW: 73 kDa; Observed MW: 73 kDa
Uniprot ID	P04049
Gene ID	5894
Background	Raf-1 is a MAP kinase kinase kinase (MAP3K) which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated Raf-1 can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2 which in turn phosphorylate to activate the serine/threonine specific protein kinases ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration.

Validation Images



Western Blot - Anti-Phospho-Raf1 (Ser43) Rabbit mAb [93M26K31]
All lanes: R014439 at 1:1,000 dilution
Lane 1: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 73 kDa
Observed band size: 73 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Phospho-Raf1 (Ser43) Rabbit mAb [93M26K31]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R014439 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).