

Product datasheet for **DM1042**

RAF1 Mouse Monoclonal Antibody [Clone ID: 410]

Product data:

Product Type:	Primary Antibodies
Clone Name:	410
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot: An antibody concentration of 1 µg/ml will allow visualization of 0.2 µg/lane of Human Raf-1. A main band (75 kDa) was visible.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant Raf-1 (mw:75 kDa)
Specificity:	This antibody reacts to Raf-1 N-terminal (1-240 a.a.)
Formulation:	0.01M PBS, pH 7.2 without preservatives State: Purified State: Lyophilized purified IgG fraction
Reconstitution Method:	Restore with double distilled water is recommended and to adjust the final concentration to 1.00 mg/mL
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Raf-1 proto-oncogene, serine/threonine kinase
Database Link:	Entrez Gene 5894 Human P04049



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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.

Synonyms:

C-RAF, Raf-1, cRaf

Note:

Not suitable for the detection of Raf-1 expression and phosphorylation in Hela cells.