



Phospho-c-Raf (Ser259) Polyclonal Antibody

Catalog Number PA5-12873

Product Data Sheet

Details		Species Reactivity	
Size	400µL	Tested species reactivity	Human
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Dot blot (DB)	1:500
Type	Antibody	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S259 of human RAF1		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	Lot-Specific		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Background/Target Information

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.

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