

RAF1 Antibody (S621)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7816d

Product Information

Application	WB, IHC-P, E
Primary Accession	P04049
Other Accession	P11345 , Q99N57 , P05625 , A7E3S4
Reactivity	Human
Predicted	Bovine, Chicken, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13293
Antigen Region	599-628

Additional Information

Other Names	RAF proto-oncogene serine/threonine-protein kinase, Proto-oncogene c-RAF, cRaf, Raf-1, RAF1, RAF
Target/Specificity	This RAF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 599-628 amino acids from human RAF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RAF1 Antibody (S621) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

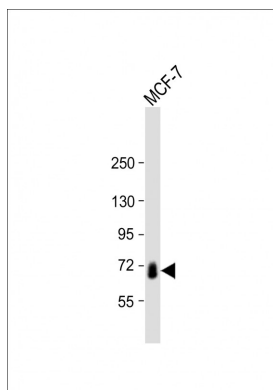
RAF1 is a MAP kinase kinase kinase (MAP3K) which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, RAF1 can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2 which in turn phosphorylate to activate the serine/threonine 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.

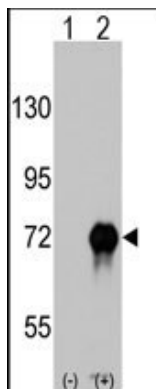
References

- Chong, H., et al., J. Biol. Chem. 278(38):36269-36276 (2003).
Lee, M., et al., Cancer Lett. 193(1):57-64 (2003).
Alavi, A., et al., Science 301(5629):94-96 (2003).
Fringer, J., et al., J. Biol. Chem. 278(23):20612-20617 (2003).
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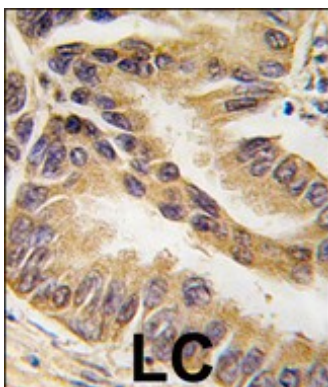
Images



Anti-RAF1 Antibody at 1:1000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 73 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of RAF1 (arrow) using rabbit polyclonal RAF1 Antibody (S296) (Cat# AP7816d).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the RAF1 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with RAF1-pS621, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- [miR-433 accelerates acquired chemoresistance of gallbladder cancer cells by targeting cyclin M.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.