

Rabbit Anti-A Raf/Cy5 Conjugated antibody

SL2251R-Cy5

Product Name	Anti-A Raf/Cy5
Chinese Name	Cy5 标记的 A-Raf 抗体
Alias	A raf 1; A-Raf; Raf1; A Raf proto oncogene serine/threonine protein kinase; ARAF 1; ARAF; ARaf proto oncogene serine/threonine protein kinase; ARAF1; Oncogene Araf1; Oncogene PKS2; PKS 2; PKS; PKS2; Proto oncogene Pks; RAFA 1; RAFA1; Ras binding protein DA Raf; v raf murine sarcoma 3611 viral oncogene homolog; v raf murine sarcoma 3611 viral oncogene homolog 1; v raf oncogene homolog 1 (murine sarcoma 3611 virus).
Research Area	Tumour Cell biology immunology Neurobiology Signal transduction transcriptional regulatory factor Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	68kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human A Raf/ARAF
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: The RAF family of signaling proteins has three isoforms: A RAF, RAF 1 and B RAF. These proteins are instrumental in forwarding the stimulus generated

by mitogens from monomeric G proteins to the MAP kinase pathway. RAF 1 is known to be downstream of Ras and binds to it by an N terminal noncatalytic domain. This domain is conserved in A RAF and B RAF. 14-3-3 is also known to be an activator of RAFs. Activated RAF directly phosphorylates and activates MEK. A RAF is expressed at a very high concentration in urogenital and kidney tissues.

Function:

Involved in the transduction of mitogenic signals from the cell membrane to the nucleus.

Tissue Specificity:

Predominantly in urogenital tissues.

Similarity:

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 protein kinase domain.

Contains 1 RBD (Ras-binding) domain.

Database links:

[Entrez Gene: 369](#) Human

[Entrez Gene: 397601](#) Pig

[Entrez Gene: 64363](#) Rat

[Entrez Gene: 403063](#) Zebrafish

[Omim: 311010](#) Human

[SwissProt: P10398](#) Human

[SwissProt: O19004](#) Pig

[SwissProt: P14056](#) Rat

[Unigene: 446641](#) Human

[Unigene: 1714](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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