

## Datasheet: MCA1852

<b>Description:</b>	RAT ANTI RAF-1 (pSer338)
<b>Specificity:</b>	RAF-1 (pSer338)
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	pS338 (DPR/2/2A/3A)
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			1/100 - 1/1000

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

**(1)For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.**

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

**Immunogen** Synthetic peptide GQRDS\*SYW\*WEIEAS coupled to glutaraldehyde.

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**External Database Links**

**UniProt:**  
[P04049](#) [Related reagents](#)

**Entrez Gene:**  
[5894](#) RAF1 [Related reagents](#)

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**Synonyms** RAF

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**Specificity** **Rat anti Raf-1 (pSer338) antibody, clone pS338 (DPR/2/2A/3A)** recognizes Raf-1, also known as RAF proto-oncogene serine/threonine-protein kinase and proto-oncogene c-RAF (cRaf), when phosphorylated at serine 338.

Rat anti Raf-1 (pSer338) antibody, clone pS338 binds to Raf-1 that has been activated by Ras or Src, but not to unactivated Raf-1. This antibody does not bind to Raf peptides phosphorylated at other sites, including tyrosine 341 and serine 339.

Rat anti Raf-1 (pSer338) antibody, clone pS338 has been described for the detection of serine 338 phosphorylated Raf-1 by western blotting ([Mason \*et al.\* 1999](#)).

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**References**

1. Mason, C.S. *et al.* (1999) Serine and tyrosine phosphorylations cooperate in Raf-1, but not B-Raf activation. [EMBO J. 18 \(8\): 2137-48.](#)
2. Chiloeches, A. *et al.* (2001) S338 phosphorylation of Raf-1 is independent of phosphatidylinositol 3-kinase and Pak3. [Mol Cell Biol. 21: 2423-34.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

Goat Anti Rat IgG (STAR69...)

[FITC](#)

Goat Anti Rat IgG (STAR72...)

[HRP](#)

## Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL \(MCA6004GA\)](#)

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