

## Mouse Monoclonal Antibody to

### c-Raf (phospho-Ser 621)

### clone 6B4

**Order No.:** 0102-100/c-Raf-6B4

**Size (µg)** 100

**Lot No.:** 0102S

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02/160307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG2a	human	WB, ELISA	74 kDa	none	phosphoserine 621	phosphopeptide conjugated to KLH

#### Background and Specificity:

The c-raf protein is an important kinase in the transmission of extracellular stimuli to the nucleus. Mitogenic stimulation of cells induces hyperphosphorylation of c-raf in multiple serine, threonine and tyrosine residues. Phosphorylation of serines 43, 259 and 621 has been implicated in the negative regulation of raf. Phosphorylation of serine 43 interferes with ras binding, serine 259 and serine 621 represent binding sites for the 14-3-3 proteins.

**Mab c-raf-6B4** specifically recognizes c-raf phosphorylated at serine 621. The antibody is an important tool to analyse the contribution of the serine 621 phosphorylation site to c-raf activity.

#### Related Products

**mab to c-raf**

#0120-100/c-raf-PBB-1

<b>Purification:</b>	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
<b>Formulation:</b>	lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.
<b>Reconstitution:</b>	Reconstitute with 1 ml H <sub>2</sub> O (15 min, RT).
<b>Stability:</b>	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
	<b>Avoid repeated freeze / thaw cycles</b>
<b>Positive Control:</b>	none
<b>Immunoblotting:</b>	0.5 µg/ml for HRPO/ECL detection <b>Recommended blocking buffer:</b> Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
<b>Immunoprecipitation:</b>	ND
<b>Immunocytochemistry:</b>	ND
<b>ELISA:</b>	use at 0.05 µg/ml

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