

Mouse Monoclonal Antibody to

PKB/Akt (C-terminus)

clone 5C10

biotinylated

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Order No.: **0119-100BIOTIN/PKB-5C10**

Size (µg) 100

Lot No.: 0119S

03/220307F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB, ELISA	60 kDa	HepG2	C-terminus (aa 466-480)	peptide conjugated to KLH

Background and Specificity:

The PKB (RAC/akt) protein kinases are a family of second messenger-regulated serine/threonine kinases. Three mammalian isoforms (alpha, beta, gamma) have been identified so far; the alpha-isoform being the cellular homologue of the v-akt oncogene. Stimulation of cells with growth factors leads to activation of PKB by a phosphoinositide-3-kinase dependent signal transduction pathway.

Mab PKB-5C10 specifically recognizes the C-terminus of protein kinase B (aa 466-480).

Related Products

mab to PKB (phospho-Ser 473)

#0108-100/PKB-11E6

mab to PKB (dephospho-Ser 473)

#0049-100/PKB-11A11

mab to PKB β (Akt-2)

#0179-100/PKB β -8B7

mab to PKB α (Akt-1)

#0144-100/PKB α -5G12

mab to Raptor

#0255-100/Raptor-10E10

mab to Rictor

#0250-100/Rictor-1G11

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
Formulation:	liquid; 0.5 mg/ml in PBS/0.09% Na-Azide/PEG and Sucrose
Reconstitution:	
Stability:	Aliquote and freeze in liquid nitrogen; 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.
	Avoid repeated freeze / thaw cycles
Positive Control:	#0811: Cell lysate from untreated HepG2 cells.
Immunoblotting:	0.5 µg/ml for HRPO/ECL detection Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
Immunoprecipitation:	ND
Immunocytochemistry:	ND
ELISA:	use at 0.05 µg/ml

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