Mouse Monoclonal Antibody to

PKBα/Akt1

clone 5G12

Species Reactivity

Isotype

Order No.:	0144-100/PKBa-5G12
Size (µg)	100
Lot No.:	0144S

Applications

Mol. Weight

isotype	Species Reactivity	Applications	wor. weight	Kel.Cell Lille	chirobe	ininunogen
lgG1	human, rat, dog	WB, ELISA, IHC	60 kDa	Neuro2A	aa 107-122	peptide conjugated to KLH
Backgrou	nd and Specificity:	Related Products				
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 PKBa-5G12 specifically recognizes the alpha isoform of PKB (PKBα/Akt1). The antiboby crossreacts in immunoblot applications with an unknown protein of ca. 120kDa expressed in human tumor cell lines.						mab to PKB (phospho-Ser 473) #0108-100/PKB-11E6 mab to PKB (dephospho-Ser 473) #0049-100/PKB-11A11 mab to PKB (C-terminus) #0119-100/PKB-5C10 mab to PKBβ (Akt-2) #0179-100/PKB-8B7 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.						
Formulatio		d; 0.1mg/ml in in l ose/50% Glycero				
Reconstitu	ution:					
Stability:	Aliqu	iote and store at	-20°C up to 1 ye			
Avoid repeated freeze / thaw cycles.						
Positive C	ontrol: #091	1: Cell lysate from	m untreated Net	uro2A cells.		
Immunobl				sein/Tween 20 bas	ed	

ELISA:

use at 0.05 µg/ml

All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.

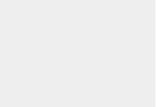
#3031-500/CPPT or #3031-3000/CPPT.

blocking and blot incubation buffer, e.g. nanoTools product





Epitope



Immunogen

03/080507F

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Ref.Cell Line