

Mouse Monoclonal Antibody to

Rictor

clone 1G11

Order No.: 0250-100/Rictor-1G11

Size (µg) 100

Lot No.: 0250S



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Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat	WB	190 kDa	HeLa	peptide derived from Rictor sequence	peptide conjugated to hemocyanin

Background and Specificity:

The mTOR pathway (mammalian target of rapamycin) coordinates nutrient signals with growth factor dependent signaling. Recent data revealed that mTOR is organized in two independent protein complexes: The complex containing mTOR, GbL and RAPTOR is target of rapamycin while the complex containing mTOR, GbL and RICTOR is insensitive to rapamycin. The mTOR / RICTOR complex phosphorylates PKBalpha/akt1 at Serine 473.

Related Products

mab to Raptor
#0255-100/RAPTOR-10E10

mab to PKB (phospho-Ser 473)
#0108-100/PKB-11E6

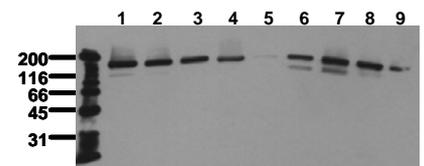
mab to PKB (dephospho-Ser 473)
#0049-100/PKB-11A11

mab to PKB (C-terminus)
#0119-100/PKB-5C10

mab to PKBα (Akt-1)
#0144-100/PKBa-5G12

mab to PKBβ (Akt-2)
#0179-100/PKBb-8B7

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent ultrafiltration and size exclusion chromatography.
Formulation:	lyophilized from 1 ml PBS / 0.09 % Na-azide / PEG and Sucrose
Reconstitution:	Reconstitute with 1 ml H ₂ O (15 min, RT).
Stability:	For long term storage, freeze lyophilizate upon arrival (-20°C): 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.
	Avoid repeated freeze / thaw cycles.
Positive Control:	#0821: Cell lysate from untreated HeLa 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:	ND



Detection of endogenous Rictor
Whole cell lysates of serum starved tumor cells (20.000 cells per lane) were applied to SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with mab RICTOR-1G11 (0.5 µg/ ml) for 1h at RT and developed by ECL (exp. time: 30 sec). lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3

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