



Mouse monoclonal antibody to RAC-alpha serine/threonine-protein kinase (461-477) [IML-26]: IgG

Catalogue No.:	M-1217-100
Description:	The protein kinase AKT has a role in glucose transport, glycogen synthesis, inhibiting apoptosis, cell-cycle progression, cell growth and cancer. Three isoforms of the AKT gene have been identified; AKT1, AKT2 and AKT3. AKT1 or RAC-alpha serine/threonine-protein kinase is activated by insulin and various growth and factors.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (VDSERRPHFPQFSYSAS) corresponding to a region (461-477) from human RAC-alpha serine/threonine-protein kinase.
Clone:	IML-26
Other Names:	Protein kinase B alpha; 2.7.11.1; RAC-PK-alpha; PKB; C-AKT; AKT1; RAC;
Accession:	P31749 AKT1_HUMAN;
Produced in:	Mouse
Purity:	IgG
Applications:	Western Blotting (WB). A concentration of 0.25-0.50 ug/mL is recommended for WB. Human AKT1 has a predicted length of 480 residues and MW of 56 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; mouse; rat; chicken;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN3
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase.

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