

For Research Use Only

Phospho-AKT (Tyr315) Monoclonal antibody



Catalog Number: 60072-1-Ig **12 Publications**

Basic Information

Catalog Number: 60072-1-Ig	GenBank Accession Number: NM_005163	Purification Method: Protein A purification
Size: 750 µg/ml	GeneID (NCBI): 207	CloneNo.: 5C4D12
Source: Mouse	UNIPROT ID: P31749	
Isotype: IgG2b	Full Name: v-akt murine thymoma viral oncogene homolog 1	
	Calculated MW: 56 kDa	
	Observed MW: 62 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
IF, WB

Species Specificity:
human, mouse

Cited Species:
human, rat

Background Information

Protein kinase B (PKB/Akt) has been well established as an important signaling intermediate, and its deregulation has been implicated in the development of human cancer and diabetes (PMID:12176337). Akt, also known as protein kinase B (PKB), is a serine/threonine kinase activated downstream of class I phosphatidylinositol 3-kinase (PI3K) and various receptors. It has emerged as the key regulator for many signal transduction pathways, modulating multiple processes such as cell survival, proliferation, growth, angiogenesis, and glucose metabolism (PMID:16139227). Its deregulation has been implicated in the development of human cancer and diabetes (PMID:12176337).

Notable Publications

Author	Pubmed ID	Journal	Application
Lei Gao	26407982	Apoptosis	WB
Jen-Jie Lin	25222667	Mar Drugs	WB
Jingjun Wu	26612655	Chem Biol Interact	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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Selected Validation Data