

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: 100ul , Concentration: 747 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 207	CloneNo.: 5C4D12
Source: Mouse	Full Name: v-akt murine thymoma viral oncogene homolog 1	
Isotype: IgG2b	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

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data