

For Research Use Only

Phospho-AKT (Tyr315) Monoclonal antibody



Catalog Number: 60072-1-Ig

12 Publications

Basic Information

Catalog Number:

60072-1-Ig

Size:

100ul, Concentration: 747 µg/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

NM_005163

GeneID (NCBI):

207

UNIPROT ID:

P31749

Full Name:

v-akt murine thymoma viral oncogene homolog 1

Calculated MW:

56 kDa

Observed MW:

62 kDa

Purification Method:

Protein A purification

CloneNo.:

5C4D12

Applications

Tested Applications:

ELISA

Cited Applications:

WB, IF

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:

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