

For Research Use Only

Phospho-AKT (Tyr315) Monoclonal antibody



Catalog Number: 60072-1-Ig

12 Publications

Basic Information

Catalog Number:

60072-1-Ig

Size:

750 µg/ml

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

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

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