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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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AKT3 monoclonal antibody (M06), clone 2H4

Catalog # : H00010000-M06

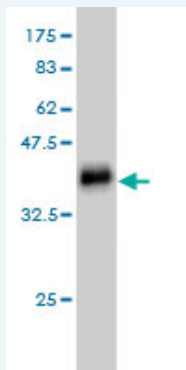
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant AKT3.
Immunogen:	AKT3 (AAD29089, 100 a.a. ~ 189 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	EAIQAVADRLQRQEEERMNCSPSTSQIDNIGEEEMDASTTHHKRKTMNDF DYLKLLGKGTFGKVLVREKASGKYAMKILKKEVIIAKDE
Host:	Mouse
Reactivity:	Human, Mouse, Rat
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.53 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

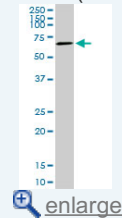
Datasheet: [Download](#)

Applications

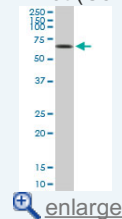
Western Blot (Cell lysate)

Application Image

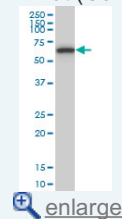
Western Blot (Cell lysate)



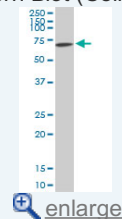
Western Blot (Cell lysate)



Western Blot (Cell lysate)



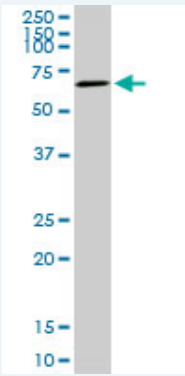
Western Blot (Cell lysate)



Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)

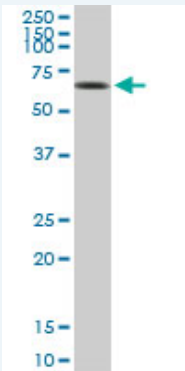
ELISA



AKT3 monoclonal antibody (M06), clone 2H4. Western Blot analysis of AKT3 expression in PC-12 (Cat # L012V1).

 [Protocol Download](#)

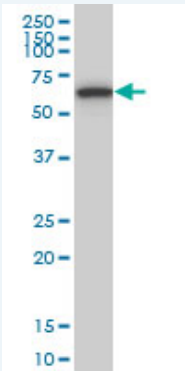
Western Blot (Cell lysate)




AKT3 monoclonal antibody (M06), clone 2H4. Western Blot analysis of AKT3 expression in Raw 264.7 (Cat # L024V1).

 [Protocol Download](#)

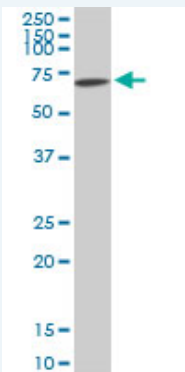
Western Blot (Cell lysate)




AKT3 monoclonal antibody (M06), clone 2H4 Western Blot analysis of AKT3 expression in MCF-7 (Cat # L046V1).

 [Protocol Download](#)

Western Blot (Cell lysate)



AKT3 monoclonal antibody (M06), clone 2H4. Western Blot analysis of AKT3 expression in NIH/3T3 (Cat # L018V1).

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AKT3 is approximately 30ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [10000](#)

**GeneBank
Accession#:** [AF124141](#)

**Protein
Accession#:** [AAD29089](#)

Gene Name: AKT3

Gene Alias: DKFZp434N0250,PKB-GAMMA,PKBG,PRKBG,RAC-PK-gamma,RAC-gamma,STK-2

**Gene
Description:** v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)

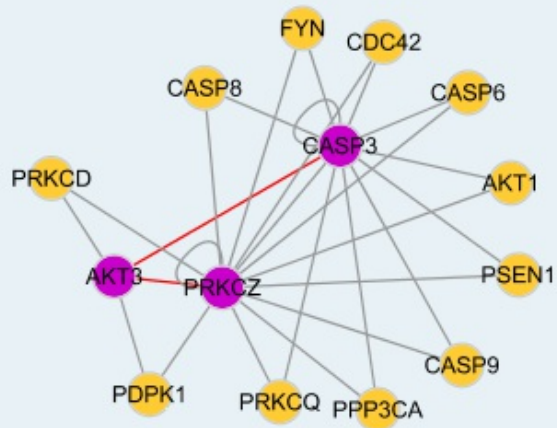
Omim ID: [611223](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake. This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1). Alternatively splice transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

**Other
Designations:** OTTHUMP00000037911,OTTHUMP00000037912,RAC-gamma serine/threonine protein kinase,protein kinase B gamma,serine threonine protein kinase, Akt-3,v-akt murine thymoma viral oncogene homolog 3

Interactome



Gene Pathway

[Acute myeloid leukemia](#) [Adipocytokine signaling pathway](#) [Apoptosis](#)
[B cell receptor signaling pathway](#) [Chemokine signaling pathway](#) [Chronic myeloid leukemia](#)
[Colorectal cancer](#) [Endometrial cancer](#) [ErbB signaling pathway](#)
[Fc epsilon RI signaling pathway](#) [Fc gamma R-mediated phagocytosis](#) [Focal adhesion](#)
[Glioma](#) [Insulin signaling pathway](#) [Jak-STAT signaling pathway](#) [MAPK signaling pathway](#)
[Melanoma](#) [mTOR signaling pathway](#) [Neurotrophin signaling pathway](#)
[Non-small cell lung cancer](#) [Pancreatic cancer](#) [Pathways in cancer](#) [Prostate cancer](#)
[Renal cell carcinoma](#) [Small cell lung cancer](#) [T cell receptor signaling pathway](#)
[Tight junction](#) [Toll-like receptor signaling pathway](#) [VEGF signaling pathway](#)

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