

Mouse AKT3 Monoclonal Antibody | anti-AKT3 antibody

AKT3 (RAC-gamma Serine/Threonine-protein Kinase, Protein Kinase Akt-3, Protein Kinase B gamma, PKB gamma, RAC-PK-gamma, STK-2, PKBG) (PE)

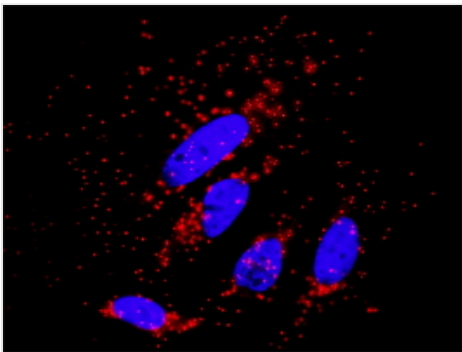
CATALOG # AAA25610	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

AKT3; Monoclonal Antibody; AKT3 (RAC-gamma Serine/Threonine-protein Kinase; Protein Kinase Akt-3; Protein Kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2; PKBG) (PE); anti-AKT3 antibody

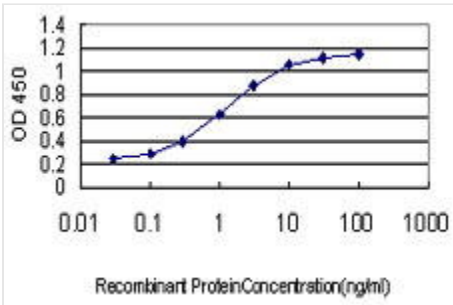
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6E11
Specificity	Recognizes human AKT3. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Sequence Length	1708
Applicable Applications for anti-AKT3 antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa100-189 from AKT3 (AAD29089) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EAIQAVADRLQRQEEERMNCSPTSQIDNIGEEEMDASTTHHKRKTMNDFDYLKLLGKGTFGKVILVREKASGKYYAMKILKKEVIAKDE
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



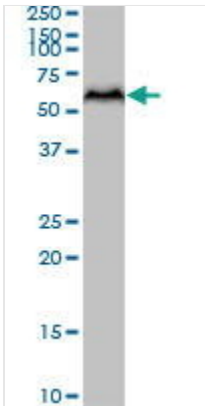
Application Data

Proximity Ligation Analysis of protein-protein interactions between PRKCZ and AKT3. HeLa cells were stained with anti-PRKCZ rabbit purified polyclonal 1:1200 and anti-AKT3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



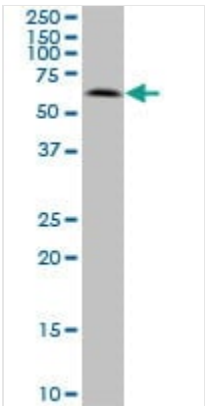
Application Data

Detection limit for recombinant GST tagged AKT3 is ~0.03ng/ml as a capture antibody.



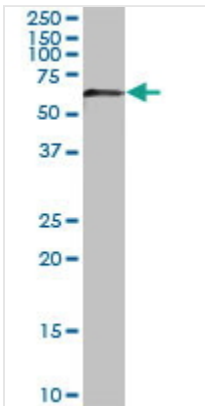
WB (Western Blot)

AKT3 monoclonal antibody Western Blot analysis of AKT3 expression in MCF-7.



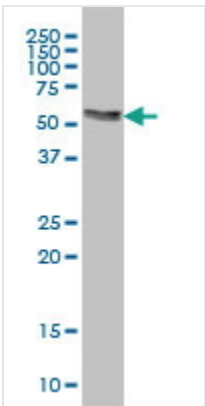
WB (Western Blot)

AKT3 monoclonal antibody Western Blot analysis of AKT3 expression in Raw 264.7.



WB (Western Blot)

AKT3 monoclonal antibody Western Blot analysis of AKT3 expression in PC-12.



WB (Western Blot)

AKT3 monoclonal antibody Western Blot analysis of AKT3 expression in HeLa.

ADDITIONAL INFORMATION

Related Product Information for anti-AKT3 antibody	AIK3 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).
Product Categories/Family for anti-AKT3 antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757578
NCBI GeneID	10000
UniProt Accession #	Q9Y243
NCBI Official Full Name	Homo sapiens protein kinase B gamma mRNA, complete cds
NCBI Official Synonym Full Names	AKT serine/threonine kinase 3
NCBI Official Symbol	AKT3
NCBI Official Synonym Symbols	MPPH; PKBG; MPPH2; PRKBG; STK-2; PKB-GAMMA; RAC-gamma; RAC-PK-gamma
NCBI Protein Information	RAC-gamma serine/threonine-protein kinase
UniProt Protein Name	RAC-gamma serine/threonine-protein kinase
UniProt Gene Name	AKT3
UniProt Synonym Gene Names	PKBG; PKB gamma
UniProt Entry Name	AKT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/akt3-antibody-clone-6e11-western-blot-elisa/25610>