

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) (AP)

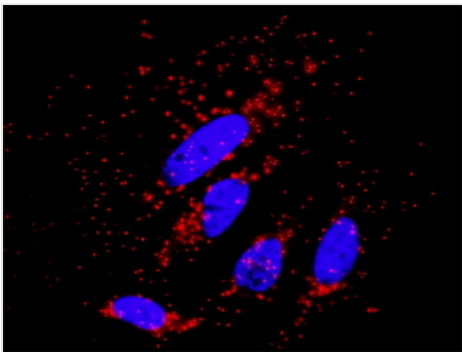
CATALOG # AAA24135	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

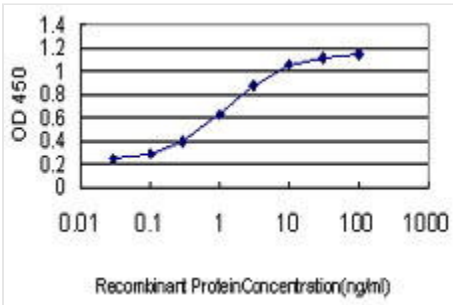
AKT3; Monoclonal Antibody; AKT3 (RAC-gamma Serine/Threonine-protein Kinase; Protein Kinase Akt-3; Protein Kinase B gamma; PKB gamma; RAC-PK-gamma; STK-2; PKBG) (AP); anti-AKT3 antibody

PRODUCT SPECIFICATIONS

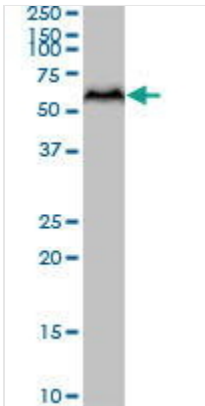
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6E11
Specificity	Recognizes human AKT3. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
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	AP
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



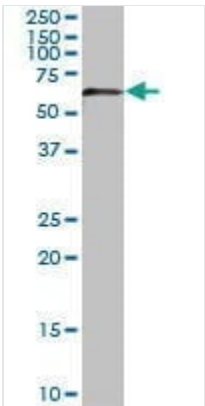
Application Data
Proximity Ligation Analysis of protein-protein interactions between PRKCZ and AKT3. HeLa cells were stained with anti-PRKCZ rabbit purified polyclonal 1:1200 and anti-AKT3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and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



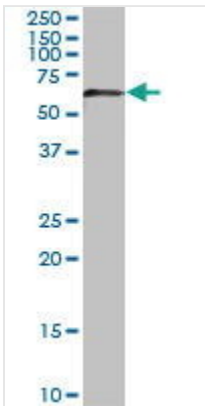
Application Data
Detection limit for recombinant GST tagged AKT3 is ~0.03ng/ml as a capture antibody.



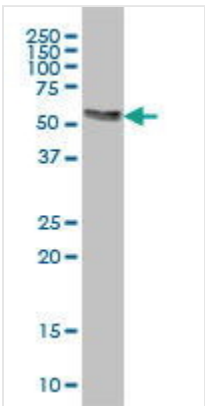
WB (Western Blot)
AKT3 monoclonal antibody Western Blot analysis of AKT3 expression in MCF-7.



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/24135>