

Mouse AKT1 Monoclonal Antibody | anti-AKT1 antibody

AKT1 (RAC-alpha Serine/Threonine-protein Kinase, RAC-PK-alpha, Protein Kinase B, PKB, Proto-oncogene c-Akt, PKB, RAC) (AP)

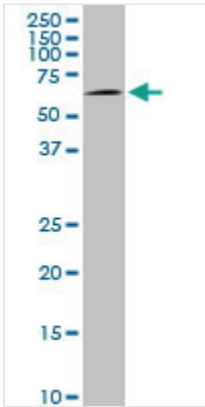
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24134	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

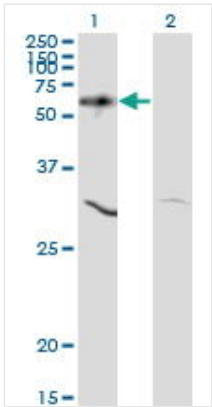
AKT1; Monoclonal Antibody; AKT1 (RAC-alpha Serine/Threonine-protein Kinase; RAC-PK-alpha; Protein Kinase B; PKB; Proto-oncogene c-Akt; RAC) (AP); anti-AKT1 antibody

PRODUCT SPECIFICATIONS

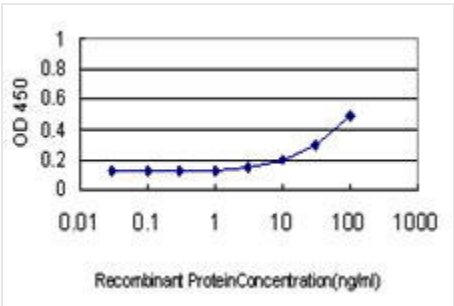
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2E11
Specificity	Recognizes human AKT1. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-AKT1 antibody	ELISA, IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Full length recombinant corresponding to aa1-480 from human AKT1 (AAH00479.1) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSDVAIVKEGWLHKRGEYIKTWRPRYFLLKNDGTFIGYKERPQDQVDQREAPLNNFSVAQCQLMKTERPRPNTFIIRCLQWTTVIERTLHVETPEEREET
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 use.



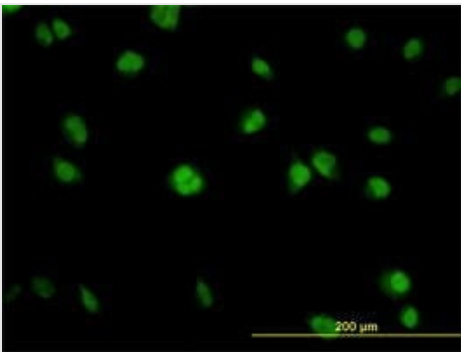
WB (Western Blot)
AKT1 monoclonal antibody Western Blot analysis of AKT1 expression in NIH/3T3.



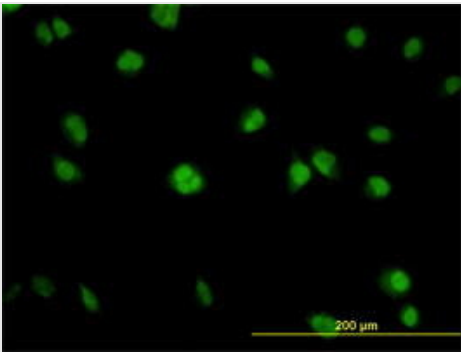
WB (Western Blot)
Western Blot analysis of AKT1 expression in transfected 293T cell line by AKT1 monoclonal antibody. Lane 1: AKT1 transfected lysate (55.7kD). Lane 2: Non-transfected lysate.



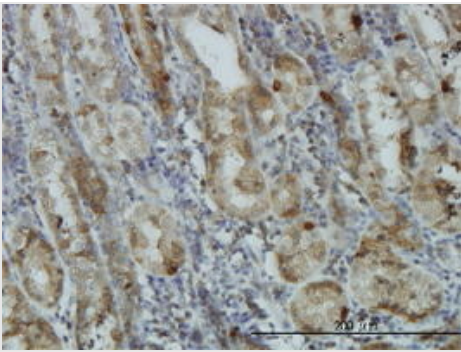
Application Data
Detection limit for recombinant GST tagged AKT1 is ~3ng/ml as a capture antibody.



IP (Immunoprecipitation)
Immunoprecipitation of AKT1 transfected lysate using AKT1 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with AKT1 rabbit polyclonal antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to AKT1 on HeLa cell. [antibody concentration 20ug/ml].



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to AKT1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3ug/ml].

ADDITIONAL INFORMATION

Product Categories/Family for anti-AKT1 antibody	Antibodies; Protein Kinases
--	-----------------------------

NCBI AND UNIPROT INFORMATION

NCBI GI #	33875493
NCBI GeneID	207
Molecular Weight	48,347 Da

NCBI Official Full Name	Homo sapiens v-akt murine thymoma viral oncogene homolog 1, mRNA
NCBI Official Synonym Full Names	AKT serine/threonine kinase 1
NCBI Official Symbol	AKT1
NCBI Official Synonym Symbols	AKT; PKB; RAC; CWS6; PRKBA; PKB-ALPHA; RAC-ALPHA
NCBI Protein Information	RAC-alpha serine/threonine-protein kinase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/akt1-antibody-clone-2e11-immunohistochemistry-immunoprecipitation-western-blot-elisa/24134>