

Mouse anti-Human, mouse AKT2 Monoclonal Antibody | anti-AKT2 antibody

AKT2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283420	Mouse	Human, mouse	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

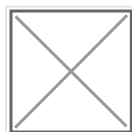
PRODUCT SYNONYMS

AKT2; Monoclonal Antibody; AKT2 Antibody; RAC-beta serine/threonine-protein kinase; Protein kinase Akt-2; Protein kinase B beta; PKB beta; RAC-PK-beta; anti-AKT2 antibody

PRODUCT SPECIFICATIONS

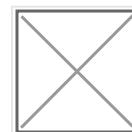
Host	Mouse
Reactivity	Human, mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	148CT5.4.1.4
Specificity	This AKT2 monoclonal antibody is generated from mouse immunized with AKT2 recombinant protein.
Purity/Purification	Purified Mouse Monoclonal Antibody (Mab)
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Length	481
Applicable Applications for anti-AKT2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of AKT2 Antibody with Hela cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

AKT2 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AKT2 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

AKT2 antibody western blot analysis in mouse brain tissue lysates (15ug/lane). This demonstrates the AKT2 antibody detected the AKT2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-AKT2 antibody	AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. AKT2 was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. The encoded protein is a general protein kinase capable of phosphorylating several known proteins.
Product Categories/Family for anti-AKT2 antibody	Cancer ; Cardiovascular ; Cell Biology ; Immunology ; Metabolism ; Neuroscience ; Signal Transduction
References	Fortier, A.M., et al. FEBS Lett. 584(5):984-988(2010) Li, X., et al. Arterioscler. Thromb. Vasc. Biol. 30(3):582-590(2010) Santi, S.A., et al. Am. J. Physiol., Cell Physiol. 298 (3), C580-C591 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502023
NCBI GeneID	208
NCBI Accession #	NP_001617.1
NCBI GenBank Nucleotide #	NM_001626.5
UniProt Accession #	P31751; Q05BV0; Q0VAN0; Q0VAN1; Q68GC0; B2RBD8
Molecular Weight	55769
NCBI Official Full Name	RAC-beta serine/threonine-protein kinase isoform 1
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 2
NCBI Official Symbol	AKT2
NCBI Official Synonym Symbols	PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA
NCBI Protein Information	RAC-beta serine/threonine-protein kinase
UniProt Protein Name	RAC-beta serine/threonine-protein kinase
UniProt Gene Name	AKT2
UniProt Synonym Gene Names	PKB beta
UniProt Entry Name	AKT2_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/akt2-antibody-clone-148ct5-4-1-4-immunofluorescence-immunohistochemistry-western-blot-elisa/283420>