

Mouse AKT2 Monoclonal Antibody | anti-AKT2 antibody

AKT2 antibody

CATALOG # AAA74883	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
------------------------------	----------------------	---

PRODUCT SYNONYMS

AKT2; Monoclonal Antibody; AKT2 antibody; Monoclonal AKT2; Anti-AKT2; V-akt murine thymoma viral oncogene homolog 2; Protein kinase Akt-2; Protein kinase B beta; RAC-PK-beta; PKB beta; PKBB; AKT 2; AKT-2; anti-AKT2 antibody

PRODUCT SPECIFICATIONS

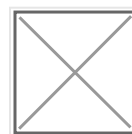
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4H7
Purity/Purification	AKT2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	481
Applicable Applications for anti-AKT2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	AKT2 is a member of a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. The gene 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.
Cross-Reactivity	Human
Immunogen	AKT2 antibody was raised in mouse using a full length recombinant protein of human AKT2 (NP_001617) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant AKT2 protein using AKT2 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of AKT2 protein in paraffin embedded Human liver tissue using AKT2 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AKT2 protein (Right) or empty vector (Left) detected with AKT2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AKT2 antibody	Mouse monoclonal AKT2 antibody
Product Categories/Family for anti-AKT2 antibody	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502023
NCBI GeneID	208
NCBI Accession #	NP_001617
NCBI GenBank Nucleotide #	NM_001626.4
UniProt Accession #	P31751; Q05BV0; Q0VAN0; Q0VAN1; Q68GC0; B2RBD8
Molecular Weight	51,083 Da
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; HIHGH; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/akt2-antibody-clone-4h7-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74883>