

Rabbit AKT1 Polyclonal Antibody | anti-AKT1 antibody

AKT1 antibody

CATALOG # AAA224974	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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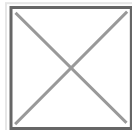
PRODUCT SYNONYMS

AKT1; Polyclonal Antibody; AKT1 antibody; Rabbit polyclonal AKT1 antibody; Polyclonal AKT1 antibody; Anti-AKT1 antibody; AKT 1; AKT 1 antibody; AKT-1; AKT antibody; AKT-1 antibody; anti-AKT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Purity/Purification	Purified by immunoaffinity chromatography.
Form/Format	Liquid form in PBS buffer (no MG2+ or Ca2+), pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	480
Applicable Applications for anti-AKT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	AKT1 antibody was raised in Rabbit using the peptide sequence around aa 448~452 (T-I-T-P-P) derived from Human AKT1 as the immunogen.
Cross-Reactivity	Human, Mouse, Rat
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



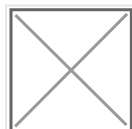
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using AKT1 antibody (left) or the same antibody preincubated with blocking peptide (right)



WB (Western Blot)

Western Blot analysis of extracts from 293 and MCF cells using AKT1 antibody



IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed HeLa cells using AKT1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AKT1 antibody	Akt1 is involved in cellular survival pathways, by inhibiting apoptotic processes. Akt1 is also able to induce protein synthesis pathways, and is therefore a key signaling protein in the cellular pathways that lead to skeletal muscle hypertrophy, and general tissue growth. Since it can block apoptosis, and thereby promote cell survival, Akt1 has been implicated as a major factor in many types of cancer. Akt (now also called Akt1) was originally identified as the oncogene in the transforming retrovirus, AKT8.
Product Categories/Family for anti-AKT1 antibody	Cell Cycle & Cell Death

NCBI AND UNIPROT INFORMATION

NCBI GI #	18027298
Molecular Weight	48,347 Da
NCBI Official Full Name	AKT1
UniProt Protein Name	RAC-alpha serine/threonine-protein kinase
UniProt Gene Name	AKT1
UniProt Synonym Gene Names	PKB; RAC; PKB; PKB alpha

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/polyclonal/akt1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/224974>