

Rabbit Akt Polyclonal Antibody | anti-Akt antibody

Akt (Phospho-Thr308)

CATALOG #	HOST	APPLICATIONS
AAA47834	Rabbit	Immunofluorescence, Immunohistochemistry, Immunoblot, Western Blot

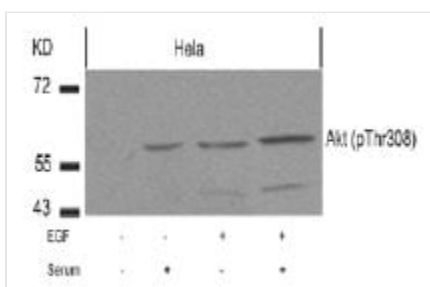
PRODUCT SYNONYMS

Akt; Polyclonal Antibody; Akt (Phospho-Thr308); anti-Akt antibody

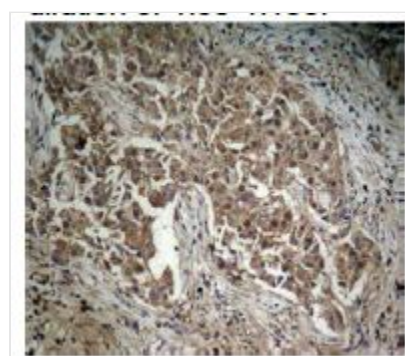
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Specificity	This antibody detects endogenous human, mouse, and rat Akt only when phosphorylated at threonine 308.
Form/Format	100ul at 1.0mg/ml in PBS (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide- reactive antibodies were removed by chromatography on non-phosphorylated peptide.
Sequence Length	480
Applicable Applications for anti-Akt antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), IB (Immunoblot)
Antigen	Peptide sequence that includes phosphorylation sites of serine threonine 308 (M-K- T(p)-F-C) derived from human Akt and conjugated to KLH.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Can be stored at 4 degree C for short-term use.

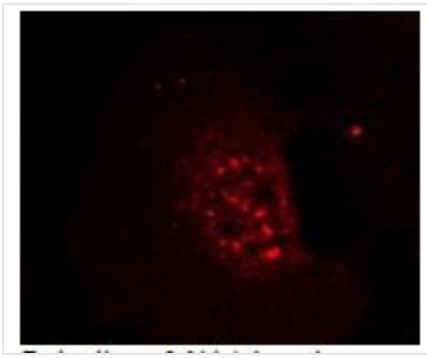
IMAGES



Application Data



IHC (Immunohistochemistry)



IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-Akt antibody

Akt, also known as Akt1 and Protein kinase B (PKB), is a serine/threonine-specific protein kinase that plays a key role in multiple cellular processes such as glucose metabolism, apoptosis, cell proliferation, transcription and cell migration. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241013
NCBI GeneID	207
NCBI Accession #	NP_001014431.1
NCBI GenBank Nucleotide #	NM_001014431.1
UniProt Accession #	P31749; Q9BWB6; B2RAM5; B7Z5R1
Molecular Weight	48,347 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
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
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/akt-antibody-immunofluorescence-immunohistochemistry-immunoblot-elisa/47834>