

Rabbit AKT1/3 Polyclonal Antibody | anti-AKT1/3 antibody

AKT1/3 antibody (Tyr437/434)

CATALOG # AAA224370	HOST Rabbit	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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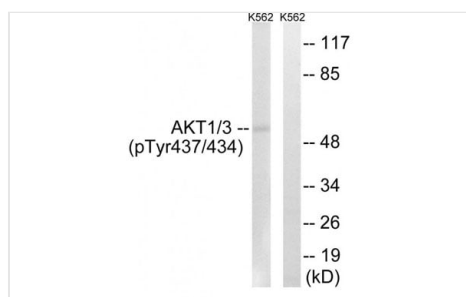
PRODUCT SYNONYMS

AKT1/3; Polyclonal Antibody; AKT1/3 antibody (Tyr437/434); Polyclonal AKT1/3; Anti-AKT1/3; AKT; AKT1; AKT1 kinase; AKT2; AKT2 kinase; Akt3; AKT3_HUMAN; CAKT; DKFZp434N0250; kinase Akt1; MGC99656; Murine thymoma viral (v-akt) homolog 2; PKB; PKB gamma; PKB-GAMMA; PKB/Akt; PKBALPHA; PKBB; PKBBETA; PKBG; PKBGAMMA; PRKBA; PRKBB; PRKBG; Protein kinase Akt-3;; anti-AKT1/3 antibody

PRODUCT SPECIFICATIONS

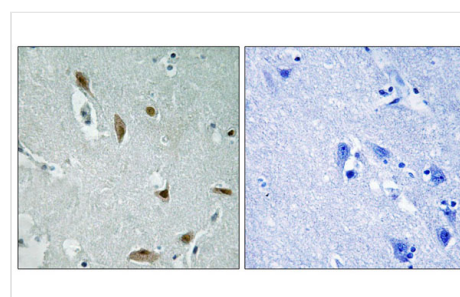
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Specificity	AKT1/3 antibody detects endogenous levels of AKT1/3 only when phosphorylated at tyrosine 437
Form/Format	Supplied in PBS buffer (without Mg2+and Ca2+), pH 7.4, 150mM NaCl with 0.02% sodium azide and 50% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	38
Applicable Applications for anti-AKT1/3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Biological Significance	Since its initial discovery as a proto-oncogene, the serine/threonine kinase Akt (also known as protein kinase B or PKB) has become a major focus of attention because of its critical regulatory role in diverse cellular processes, including cancer progression and insulin metabolism.
Cross-Reactivity	Mouse, Rat
Immunogen	AKT1/3 antibody was raised in Rabbit using a synthetic phosphopeptide derived from human AKT1/3 around the phosphorylation site of tyrosine 437 (T-R-YP-F-D) as the immunogen
Preparation and Storage	Store at -20 degree C for 1 year, store at 2-8 degree C for up to 1 month

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, treated with insulin (0.01U/ml, 15mins), using AKT1/3 (Phospho-Tyr437/434) antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using AKT1/3 (Phospho-Tyr437/434) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AKT1/3 antibody	Rabbit polyclonal AKT1/3 antibody (Tyr437/434)
Product Categories/Family for anti-AKT1/3 antibody	Proteases ; Inhibitors ; & Enzymes ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	558550189
NCBI GeneID	207
Molecular Weight	48,347 Da
NCBI Official Full Name	AKT1m transcript variant 3, partial
NCBI Official Synonym Full Names	v-akt murine thymoma viral oncogene homolog 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
UniProt Entry Name	AKT1_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/polyclonal/akt1-3-antibody-immunohistochemistry-western-blot-elisa/224370>