

Rabbit Akt Polyclonal Antibody | anti-Akt antibody

Akt (Phospho-Thr308) Rabbit Polyclonal Antibody

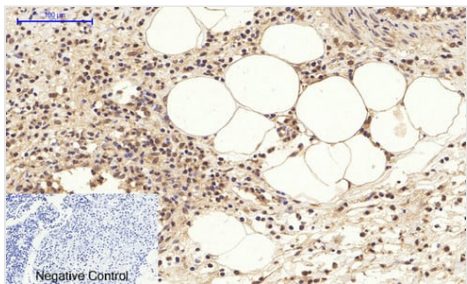
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30742	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

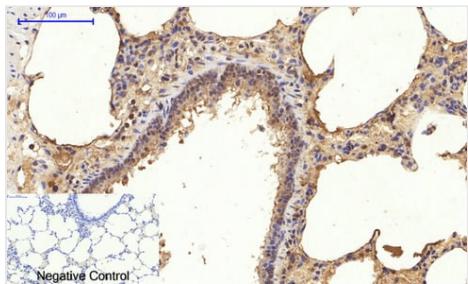
Akt; Polyclonal Antibody; Akt (Phospho-Thr308) Rabbit Polyclonal Antibody; AKT1; PKB; RAC; RAC-alpha serine/threonine-protein kinase; Protein kinase B; Protein kinase B alpha; PKB alpha; Proto-oncogene c-Akt; RAC-PK-alpha; AKT2; RAC-beta serine/threonine-protein kinase; Protein kinase Akt-2; BH6842; RAC-alpha serine/threonine-protein kinase/RAC-beta serine/threonine-protein kinase/RAC-gamma serine/threonine-protein kinase; anti-Akt antibody

PRODUCT SPECIFICATIONS

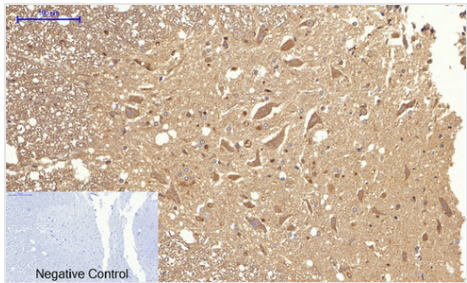
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Phospho-Akt (T308) Polyclonal Antibody detects endogenous levels of Akt protein only when phosphorylated at T308.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-Akt antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	IF: 1:50-200 WB: 1/500-1/2000 IHC: 1/100-1/300 ELISA: 1/20000
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Akt (phospho Thr308)
Modification	Phospho Specific
Preparation and Storage	Store at -20 degree C/1 year



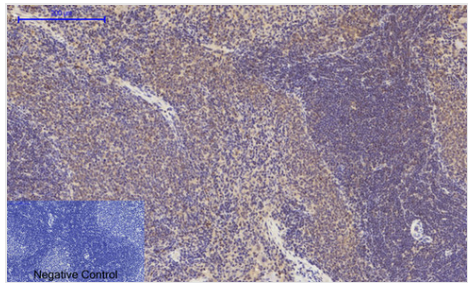
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Human-Appendix tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



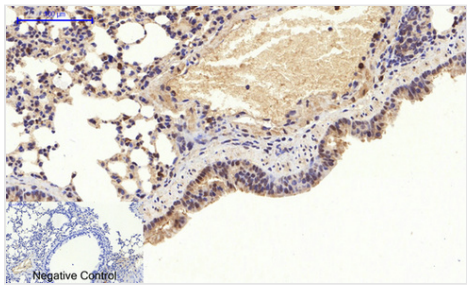
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



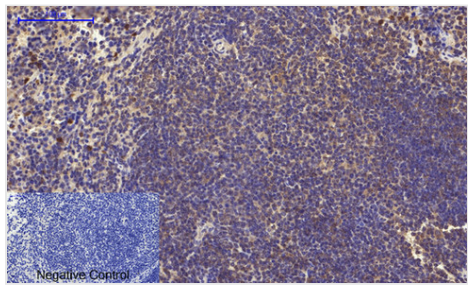
IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Rat-spinal-cord tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Rat-spleen tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded Mouse-spleen tissue. 1,Akt (phospho Thr308) Polyclonal Antibody was diluted at 1:200(4 degree C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

ADDITIONAL INFORMATION

Related Product Information for anti-Akt antibody	The serine-threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. Mutations in this gene have been associated with the Proteus syndrome. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2011]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62241013
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NCBI GeneID	207
NCBI Accession #	NP_001014431.1
NCBI GenBank Nucleotide #	NM_001014431.1
UniProt Accession #	P31749; P31751; Q9Y243
Molecular Weight	55,686 Da
NCBI Official Full Name	RAC-alpha serine/threonine-protein kinase
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; PKB alpha; RAC-PK-alpha; proto-oncogene c-Akt; protein kinase B alpha; rac protein kinase alpha
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/akt-antibody-immunofluorescence-immunocytochemistry-western-blot-immunohistochemistry-elisa/30742>