

Rabbit anti-Mouse AKT2 Polyclonal Antibody | anti-AKT2 antibody

Anti-AKT2 Antibody, Rabbit Polyclonal

CATALOG # AAA255066	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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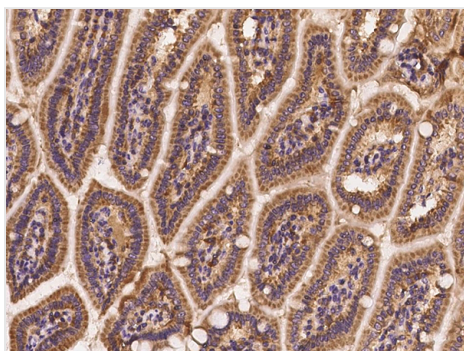
PRODUCT SYNONYMS

AKT2; Polyclonal Antibody; Anti-AKT2 Antibody; Rabbit Polyclonal; AKT2/PKB beta Antibody; Rabbit PAb; Antigen Affinity Purified; v-akt murine thymoma viral oncogene homolog 2; Anti-2410016A19Rik Antibody; Anti-AW554154 Antibody; Anti-PKB Antibody; Anti-PKBBeta Antibody; anti-AKT2 antibody

PRODUCT SPECIFICATIONS

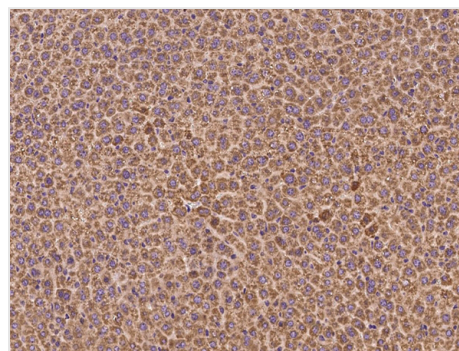
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse AKT2/PKB beta
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-AKT2 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Mouse AKT2/PKB beta
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Mouse AKT2/PKB beta, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



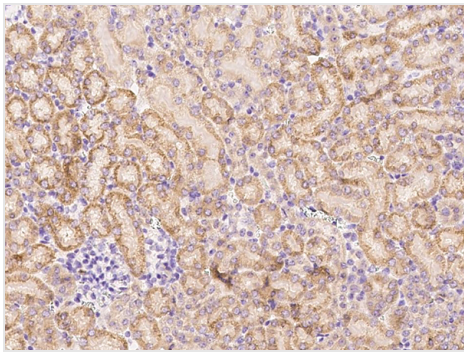
IHC (Immunohistochemistry)

Immunochemical staining of mouse AKT2 in mouse small intestine with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse AKT2 in mouse liver with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse AKT2 in mouse kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-AKT2 antibody

AKT (AK mouse plus Transforming or Thymoma) is a frequent oncogene expressed in most tissues which includes three isoforms AKT1, AKT2, and AKT3. Hyperactivation of AKT signaling is a central key in many human cancer progressions, through modulating angiogenesis, tumor growth, and cell migration, invasion, metastasis, and chemoresistance. Among all three isoforms, AKT2 is most related to cancer cell invasion, metastasis, and survival. Amplification and overexpression of AKT2 have been shown in many cancers. Accumulating evidence shows the potential role of different miRNA involvements in cancer progression by activating or suppressing AKT2 expression. The AKT2/NAB1/SPK1 pathway is a novel regulating factor of macrophage migration and cardiac remodeling after myocardial infarction. The novel mechanism of the AKT2-PKM2-STAT3/NF-kappaB axis in the regulation of ovarian cancer progression, that both AKT2 and PKM2 may be potential targets for the treatment of ovarian cancer. AKT1 and AKT2, the AKT isoforms that are highly expressed in skeletal muscle, have distinct and overlapping functions, with AKT2 more important for insulin-stimulated glucose metabolism. In adipocytes, AKT2 versus AKT1 has greater susceptibility for insulin-mediated redistribution from cytosolic to membrane localization, and insulin also causes subcellular redistribution of AKT Substrate of 160 kDa (AS160), an AKT2 substrate and crucial mediator of insulin-stimulated glucose transport.

Product Categories/Family for anti-AKT2 antibody

[EGFR Signaling Pathway](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1062594097
NCBI GeneID	11652
NCBI Accession #	NP_001318037.1
NCBI GenBank Nucleotide #	NM_001331108.1
UniProt Accession #	Q60823
Molecular Weight	55,742 Da
NCBI Official Full Name	RAC-beta serine/threonine-protein kinase
NCBI Official Synonym Full Names	thymoma viral proto-oncogene 2
NCBI Official Symbol	Akt2
NCBI Official Synonym Symbols	PKB; PKBbeta; AW554154; 2410016A19Rik
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

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://www.aaabiotech.com/polyclonal/akt2-antibody-immunohistochemistry-elisa/255066>