Rabbit AKT1S1 Polyclonal Antibody | anti-AKT1S1 antibody

AKT1S1 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199855	**Rabbit**	**Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

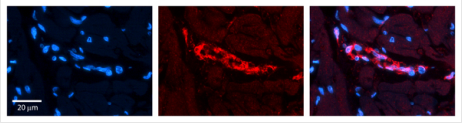
AKT1S1; Polyclonal Antibody; AKT1S1 antibody - C-terminal region; anti-AKT1S1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:KS LPVSVPVWGF KEKRTEARSS DEENGPPSSP DLDRIAASMR ALVLREAE
Sequence Length	256
Applicable Applications for anti-AKT1S1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human AKT1S1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

WB (Western Blot)
WB Suggested Anti-AKT1S1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: 293T cell lysate



IHC (Immunohistochemistry)
Rabbit Anti-AKT1S1 AntibodyFormalin Fixed Paraffin Embedded Tissue: Human heart TissueObserved Staining: Cytoplasmic in endothelial cells in blood vesselsPrimary Antibody Concentration: 1:100Other Working Concentrations: N/ASecondary Antibody: Donkey anti-Rabbit-Cy3Secondary Antibody Concentration: 1:200Magnification: 20XExposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-AKT1S1 antibody	This is a rabbit polyclonal antibody against AKT1S1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: AKT1S1 may play an important role in phosphatidylinositol 3-kinase (PI3K)-AKT1 survival signaling. It is the substrate for AKT1 phosphorylation, but can also be activated by AKT1-independent mechanisms. Its role in survival signaling pathways may be modulated by oxidative stress. AKT1S1 may also play a role in nerve growth factor-mediated neuroprotection.AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).[supplied by OMIM].
Product Categories/Family for anti-AKT1S1 antibody	Polyclonal; Neuroscience; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	400153980
NCBI GeneID	84335
NCBI Accession #	NP_115751
NCBI GenBank Nucleotide #	NM_032375
UniProt Accession #	Q96B36
Molecular Weight	27kDa
NCBI Official Full Name	proline-rich AKT1 substrate 1 isoform a
NCBI Official Synonym Full Names	AKT1 substrate 1
NCBI Official Symbol	AKT1S1
NCBI Official Synonym Symbols	Lobe; PRAS40
NCBI Protein Information	proline-rich AKT1 substrate 1
UniProt Protein Name	Proline-rich AKT1 substrate 1
UniProt Gene Name	**AKT1S1**
UniProt Synonym Gene Names	PRAS40
UniProt Entry Name	AKTS1_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://www.aaabiotech.com/polyclonal/akt1s1-antibody-immunohistochemistry-western-blot-elisa/199855