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STK16 Rabbit pAb

Catalog # AP96485

Product Information

Application	WB
Primary Accession	O75716
Other Accession	O75716
Reactivity	Mouse
Predicted	Rat, Pig, Human, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34656
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human STK16
Epitope Specificity	101-200/305
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.
Post-translational modifications	Autophosphorylated on serine and threonine residues. It is uncertain whether palmitoylation is on Cys-6 and/or Cys-8.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Additional Information

Gene ID	8576
Other Names	KRCT; MPSK; PKL12; PSK; TSF1; hPSK; EDPK; TSF-1; F52; STK16_HUMAN; STK16; Myristoylated and palmitoylated serine/threonine-protein kinase (MPSK); Protein kinase PKL12; TGF-beta-stimulated factor 1 (TSF-1); Tyrosine-protein kinase STK16; 2.7.11.1; MPSK1; STK16_MOUSE; Embryo-derived protein kinase (Edpk); Protein kinase Krct; STK16_RAT; serine/threonine kinase 16
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	STK16
Synonyms	MPSK1, PKL12, TSF1

Function	Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates. May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins.
Cellular Location	Cytoplasm, perinuclear region. Membrane; Lipid-anchor. Note=Associates with Golgi and Golgi-derived vesicles.
Tissue Location	Ubiquitously expressed at very low levels.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.