

# STK16 Rabbit pAb

Catalog # AP96485

## Product Information

---

|                                         |                                                                                                                           |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>                      | WB                                                                                                                        |
| <b>Primary Accession</b>                | <a href="#">Q75716</a>                                                                                                    |
| <b>Other Accession</b>                  | <a href="#">Q75716</a>                                                                                                    |
| <b>Host</b>                             | Rabbit                                                                                                                    |
| <b>Clonality</b>                        | Polyclonal                                                                                                                |
| <b>Calculated MW</b>                    | 34656                                                                                                                     |
| <b>Physical State</b>                   | Liquid                                                                                                                    |
| <b>Immunogen</b>                        | KLH conjugated synthetic peptide derived from human STK16                                                                 |
| <b>Epitope Specificity</b>              | 101-200/305                                                                                                               |
| <b>Isotype</b>                          | IgG                                                                                                                       |
| <b>Purity</b>                           | affinity purified by Protein A                                                                                            |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                         |
| <b>SIMILARITY</b>                       | Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Contains 1 protein kinase domain.               |
| <b>Post-translational modifications</b> | Autophosphorylated on serine and threonine residues. It is uncertain whether palmitoylation is on Cys-6 and/or Cys-8.     |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

## Additional Information

---

|                    |                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>     | 8576                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other Names</b> | 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 Krcr; STK16_RAT; serine/threonine kinase 16 |
| <b>Dilution</b>    | WB=1:500-2000                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>     | 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

---

|                 |                                                                      |
|-----------------|----------------------------------------------------------------------|
| <b>Name</b>     | STK16                                                                |
| <b>Synonyms</b> | MPSK1, PKL12, TSF1                                                   |
| <b>Function</b> | 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'.