

## Product datasheet for **AM20962PU-N**

### STK16 Mouse Monoclonal Antibody [Clone ID: M2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	M2
Applications:	ELISA, IHC, RNAi, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>RNAi.</b> <b>Western Blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant protein, STK16 (AAH02618,1 a.a. ~ 306 a.a) full length recombinant protein with GST tag.
Specificity:	This antibody recognizes Serine/Threonine Kinase 16 (STK16).
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	serine/threonine kinase 16
Database Link:	<a href="#">Entrez Gene 8576 Human</a> <a href="#">O75716</a>



[View online »](#)

**Background:**

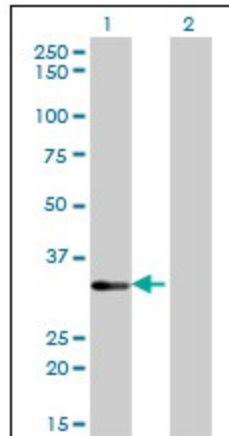
Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the  $\gamma$  phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway.

**Synonyms:**

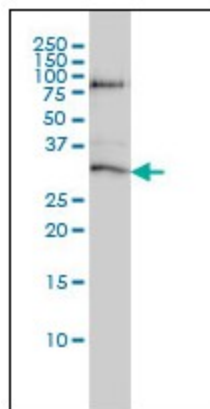
Serine/threonine-protein kinase 16, MPSK, MPSK1, PKL12, TSF1, TSF-1

**Protein Families:**

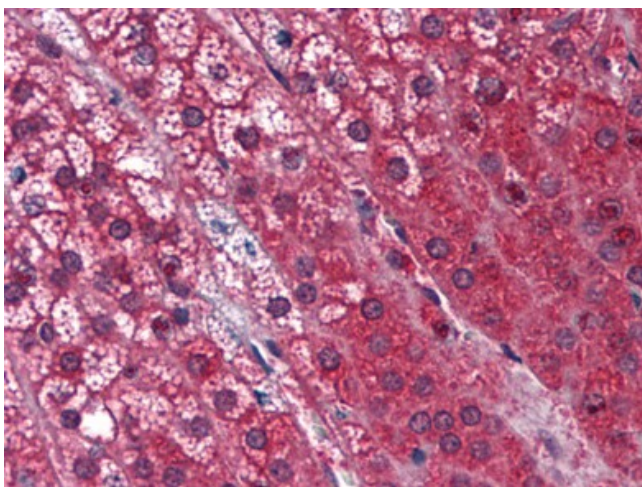
Druggable Genome, Protein Kinase

**Product images:**

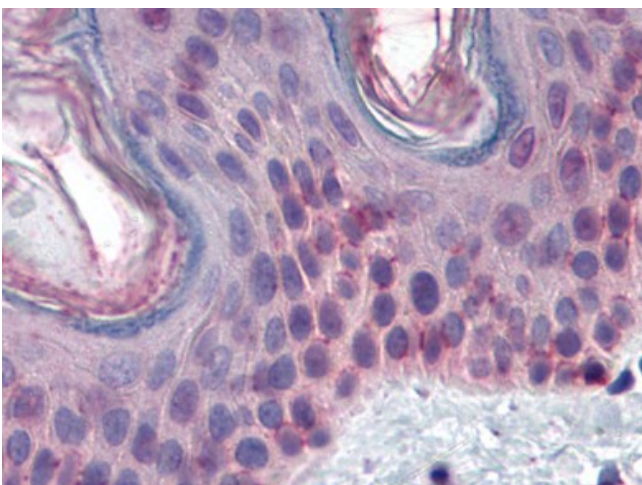
Western Blot analysis of STK16 expression in transfected 293T cell line by STK16 monoclonal antibody, clone M2.



STK16 monoclonal antibody, clone M2 Western Blot analysis of STK16 expression in A-431.



Human Adrenal: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Skin: Formalin-Fixed, Paraffin-Embedded (FFPE)