

# STK33 Rabbit mAb

Catalog # AP76128

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, ICC
<b>Primary Accession</b>	<a href="#">Q9BYT3</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Calculated MW</b>	57831

## Additional Information

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<b>Gene ID</b>	65975
<b>Other Names</b>	STK33
<b>Dilution</b>	WB~1/500-1/1000 IHC-P~N/A IHC-F~N/A ICC~N/A
<b>Format</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

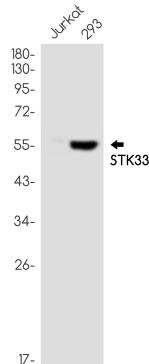
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<b>Name</b>	STK33 {ECO:0000303   PubMed:34155512}
<b>Function</b>	Serine/threonine protein kinase required for spermatid differentiation and male fertility (PubMed: <a href="#">37146716</a> , PubMed: <a href="#">38781365</a> ). Promotes sperm flagella assembly during spermatogenesis by mediating phosphorylation of fibrous sheath proteins AKAP3 and AKAP4 (By similarity). Also phosphorylates vimentin/VIM, thereby regulating the dynamic behavior of the intermediate filament cytoskeleton (By similarity).
<b>Cellular Location</b>	Cytoplasm {ECO:0000250   UniProtKB:Q924X7}. Cytoplasm, cytoskeleton {ECO:0000250   UniProtKB:Q924X7}. Cytoplasm, perinuclear region {ECO:0000250   UniProtKB:Q924X7}. Note=Colocalizes with the caudal end of the manchette, a transient structure that guides tail elongation in elongating spermatids {ECO:0000250   UniProtKB:Q924X7}
<b>Tissue Location</b>	Highly expressed in testis, fetal lung and heart, followed by pituitary gland, kidney, interventricular septum, pancreas, heart, trachea, thyroid gland and uterus. Weak hybridization signals were observed in the following tissues: amygdala, aorta, esophagus, colon ascending, colon transverse, skeletal muscle, spleen, peripheral blood leukocyte, lymph node, bone marrow,

placenta, prostate, liver, salivary gland, mammary gland, some tumor cell lines, fetal brain, fetal liver, fetal spleen and fetal thymus. No signal at all was detectable in RNA from tissues of the nervous system

## Images

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