

STK33 Rabbit mAb

Catalog # AP76128

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	Q9BYT3
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57831

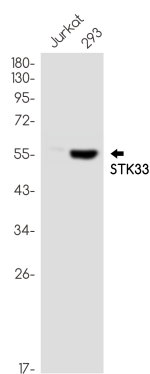
Additional Information

Gene ID	65975
Other Names	STK33
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	Liquid

Protein Information

Name	STK33 {ECO:0000303 PubMed:34155512}
Function	Serine/threonine protein kinase required for spermatid differentiation and male fertility (PubMed: 37146716 , PubMed: 38781365). 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).
Cellular Location	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}
Tissue Location	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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