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STK33 Rabbit mAb
Catalog # AP76128

Specification

STK33 Rabbit mAb - Product Information

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

STK33 Rabbit mAb - 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
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

STK33 Rabbit mAb - 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

STK33 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

STK33 Rabbit mAb - Images