

C3orf15 Rabbit pAb

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Catalog # AP59398

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z4T9
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	89955
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human AAT1/C3orf15
Epitope Specificity	131-230/603
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Mitochondrion. Isoform 4 is found in the mitochondria and localized in the neck of the sperm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The c-Myc proto-oncogene plays a significant role in cell proliferation, differentiation, transformation and apoptosis. A novel c-Myc binding protein, MYCBP (also designated AMY-1), binds to the transactivation domain of c-Myc and stimulates the activation of E-box-dependent transcription. MYCBP translocates from the cytoplasm to the nucleus during S phase when increased expression of c-Myc occurs. MYCBP and AAT-1 (AMY-1-associating protein expressed in testis 1) have been shown to associate with AKAP 149 and AKAP 84 in mitochondria of somatic cells and sperm, which suggests a role for MYCBP and AAT-1 in spermatogenesis. Expression of the AAT-1 gene is regulated by two different promoters, which result in various isoforms. One promoter generates expression of the AAT-1, AAT-1 Δ AAT-1j and AAT-1 Δ isoforms, which are specifically expressed in testis, while the other promoter generates AAT-1L, AAT-1M and AAT-1S, which are differentially expressed.

Additional Information

Gene ID	89876
Other Names	Cilia- and flagella-associated protein 91, CFAP91, AMY-1-associating protein expressed in testis 1, AAT-1, MYCBP/AMY-1-associated testis-expressed protein 1, Protein MAATS1, CFAP91 (HGNC:24010)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage

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.

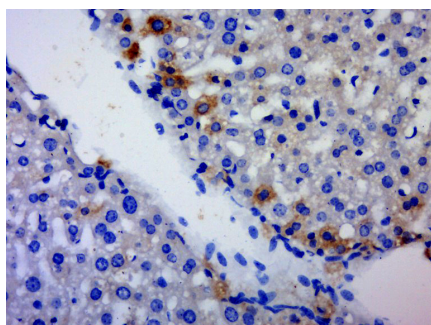
Protein Information

Name	CFAP91 (HGNC:24010)
Function	Involved in sperm flagellum axonemal organization and function (PubMed: 12223483 , PubMed: 32161152). May regulate cilium motility through its role in the assembly of the axonemal radial spokes (By similarity).
Cellular Location	Mitochondrion. Cytoplasm. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250 UniProtKB:A8IH47}. Note=Localized in the neck of the sperm
Tissue Location	[Isoform 1]: Strongly expressed in the liver.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MAATS1) Polyclonal Antibody, Unconjugated (AP59398) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining

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