

AAT1 Rabbit pAb

CatalogNo: YN0438

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 66kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 310-390

Specificity AAT1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name AAT1 C3orf15

Protein Name	AMY-1-associating protein expressed in testis 1 (AAT-1)		
	Organism	Gene ID	UniProt ID
	Human	89876;	Q7Z4T9;
	Mouse		Q8BRC6;
Cellular Localization	Mitochondrion . Cytoplasm . Cytoplasm , cytoskeleton , cilium axoneme . Localized in the neck of the sperm.; [Isoform 7]: Cytoplasm .		
Tissue specificity	[Isoform 1]: Strongly expressed in the liver.; [Isoform 7]: Widely expressed , but strongly expressed in all spermatogenesis-related tissues , including the testis , the epithelium of cauda and the corpus epididymis , as well as the spermatid and mature sperm. Also expressed in Leydig cells.		
Function	Alternative products:Additional isoforms (AAT-1L and AAT-1S) may exist ,Function:Isoform 4 may play a role in spermatogenesis. ,PTM:Isoform 4 is phosphorylated by PKA. ,subcellular location:Isoform 4 is found in the mitochondria and localized in the neck of the sperm. ,subunit:Interacts with AMY1 and AKAP1. Isoform 4 belongs to a complex together with AMY1 , AKAP1 and PRKAR2B. Isoform 3 does not interact with AMY1. ,tissue specificity:Isoform 1 is strongly expressed in the liver. Isoform 4 is widely expressed , but strongly expressed in all spermatogenesis-related tissues , including the testis , the epithelium of cauda and the corpus epididymis. Isoform 4 is present in the spermatid and mature sperm. Isoform 4 is also expressed in Leydig cells. Isoform 3 is expressed in the testis. ,		

Validation Data

Contact information

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AAT1 Rabbit pAb

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