



# AAT1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05312
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	AAT1 C3orf15
<b>Protein Name</b>	AMY-1-associating protein expressed in testis 1 (AAT-1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 310-390
<b>Specificity</b>	AAT1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	66kD
<b>Cell Pathway</b>	Mitochondrion . Cytoplasm . Cytoplasm, cytoskeleton, cilium axoneme . Localized in the neck of the sperm.; [Isoform 7]: Cytoplasm .
<b>Tissue Specificity</b>	[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.
<b>Function</b>	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.,
<b>Background</b>	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.,

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images