



# AAT1 rabbit pAb

Cat No.:ES9384

For research use only

## Overview

<b>Product Name</b>	AAT1 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	WB 1:500-2000 ELISA 1:5000-20000
<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, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C . Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	AMY-1-associated protein expressed in testis 1 (AAT-1)
<b>Gene Name</b>	AAT1 C3orf15
<b>Cellular localization</b>	Mitochondrion . Cytoplasm . Cytoplasm, cytoskeleton, cilium axoneme . Localized in the neck of the sperm.; [Isoform 7]: Cytoplasm .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	66kD
<b>Human Gene ID</b>	89876
<b>Human Swiss-Prot Number</b>	Q7Z4T9
<b>Alternative Names</b>	
<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





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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.,



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