

## Anti-C3orf15 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat)
Molecular Weight:	Theoretical: 71 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MAATS1) Polyclonal Antibody, Unconjugated (TMAB-03426) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human AAT1/C3orf15
Antigen Species:	Human
Gene ID:	89876
Uniprot ID:	Q7Z4T9

## Research Background

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 $\alpha$ , AAT-1 $\beta$  and AAT-1 $\gamma$  isoforms, which are specifically expressed in testis, while the other promoter generates AAT-1L, AAT-1M and AAT-1S, which are differentially expressed.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481