

For Research Use Only

# SERTAD1 Polyclonal antibody

Catalog Number: 10167-1-AP



## Basic Information

<b>Catalog Number:</b> 10167-1-AP	<b>GenBank Accession Number:</b> BC002670	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 29950	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> SERTA domain containing 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 25 kDa	
<b>Immunogen Catalog Number:</b> AG0180	<b>Observed MW:</b> 25 kDa	

## Applications

<b>Tested Applications:</b> IHC, ELISA	<b>Positive Controls:</b> IHC : mouse heart tissue, mouse embryo tissue
<b>Species Specificity:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

SERTA domain containing 1 (SERTAD1, synonyms: SEI1, TRIP-Br1) protein is a cyclin-dependent kinase 4 (cdk4)-binding protein and acts as a growth factor sensor and facilitates the formation and activation of cyclin D-CDK complexes in the face of inhibitory levels of INK4 proteins, therefore, antagonizes the activity of p16(INK4a) tumor suppressor. SERTAD1 also suppresses CREB-mediated transcription and regulates cell cycle progression through sequential effects on the transcriptional activity of E2F-responsive promoters during G(1) and S phases.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

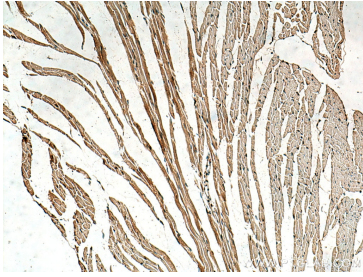
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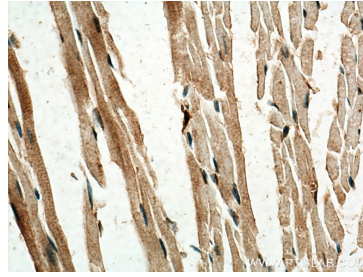
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10167-1-AP (SERTAD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 10167-1-AP (SERTAD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).