

**Product Name: AASD-PPT Rabbit Polyclonal Antibody**  
**Catalog #: APRab06381**



## Summary

<b>Production Name</b>	AASD-PPT Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	AASDHPPT
<b>Alternative Names</b>	AASDHPPT; CGI-80; HAH-P; HSPC223; x0005; L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase; 4'-phosphopantetheinyl transferase; Alpha-aminoadipic semialdehyde dehydrogenase-phosphopantetheinyl transferase; AASD-PPT;
<b>Gene ID</b>	60496.0
<b>SwissProt ID</b>	Q9NRN7.The antiserum was produced against synthesized peptide derived from human AASDHPPT. AA range:11-60

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000..
<b>Molecular Weight</b>	36kD

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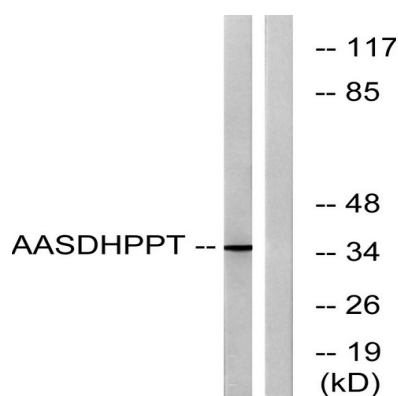
## Background

The protein encoded by this gene is similar to *Saccharomyces cerevisiae* LYS5, which is required for the activation of the alpha-aminoadipate dehydrogenase in the biosynthetic pathway of lysine. Yeast alpha-aminoadipate dehydrogenase converts alpha-biosynthetic-aminoadipate semialdehyde to alpha-aminoadipate. It has been suggested that defects in the human gene result in pipecolic acidemia. [provided by RefSeq, Jul 2008], catalytic activity: CoA-[4'-phosphopantetheine] + apo-[acyl-carrier-protein] = adenosine 3',5'-bisphosphate + holo-[acyl-carrier-protein], cofactor: Binds 1 magnesium ion, function: Catalyzes the post-translational modification of target proteins by phosphopantetheine. Can transfer the 4'-phosphopantetheine moiety from coenzyme A to a serine residue of a broad range of acceptors, such as the acyl carrier domain of FASN, PTM: Phosphorylated upon DNA damage, probably by ATM or ATR, similarity: Belongs to the P-Pant transferase superfamily. AcpS family, subunit: Monomer. Interacts with FASN, tissue specificity: Detected in heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney.

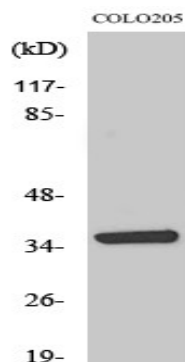
## Research Area

Lysine biosynthesis; Lysine degradation;

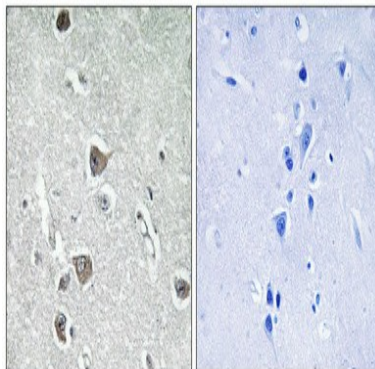
## Image Data



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Western Blot analysis of various cells using AASD-PPT Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight) . High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

## Note

For research use only.