

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



Summary

Production Name	AASD-PPT Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

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

Immunogen

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

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-1:300, ELISA 1:40000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	36kDa

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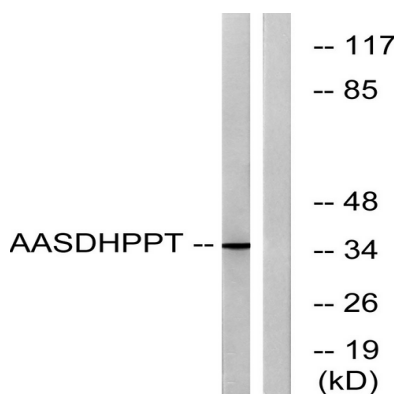
Background

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

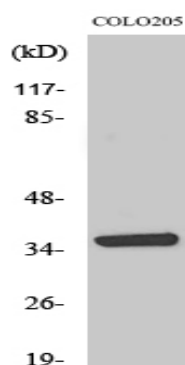
Lysine biosynthesis; Lysine degradation;

Image Data

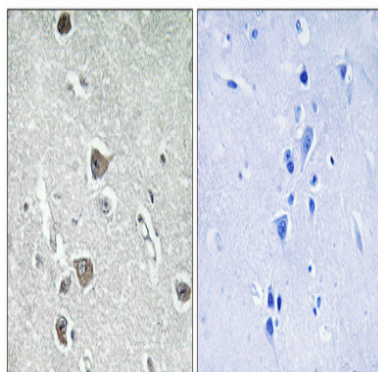


Western blot analysis of lysates from COLO cells, using AASDHPPT Antibody. The lane on the right is blocked with the synthesized peptide.

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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.