

## AASD-PPT Polyclonal Antibody

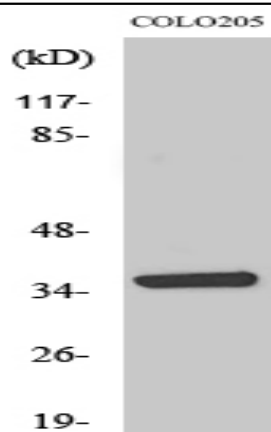
<b>Catalog No :</b>	YT0040
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	AASD-PPT
<b>Fields :</b>	>>Pantothenate and CoA biosynthesis;>>Metabolic pathways
<b>Gene Name :</b>	AASDHPPT
<b>Protein Name :</b>	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
<b>Human Gene Id :</b>	60496
<b>Human Swiss Prot No :</b>	Q9NRN7
<b>Mouse Gene Id :</b>	67618
<b>Mouse Swiss Prot No :</b>	Q9CQF6
<b>Rat Gene Id :</b>	300328
<b>Rat Swiss Prot No :</b>	B2RYJ4
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human AASDHPPT. AA range:11-60
<b>Specificity :</b>	AASD-PPT Polyclonal Antibody detects endogenous levels of AASD-PPT protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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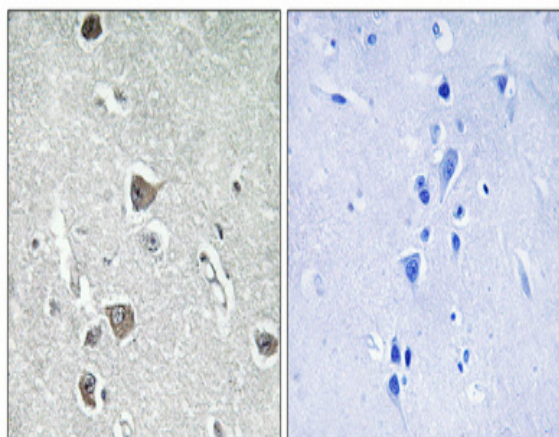
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	36kD
<b>Cell Pathway :</b>	Lysine biosynthesis;Lysine degradation;
<b>Background :</b>	The protein encoded by this gene is similar to <i>Saccharomyces cerevisiae</i> 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],
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cytoplasm, cytosol .
<b>Expression :</b>	Detected in heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney.

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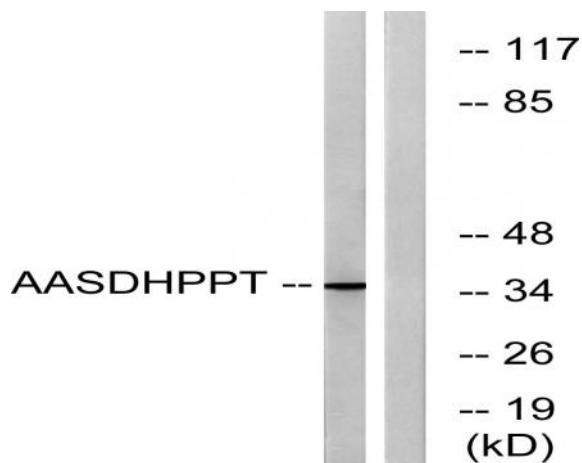
## Products Images



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,pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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