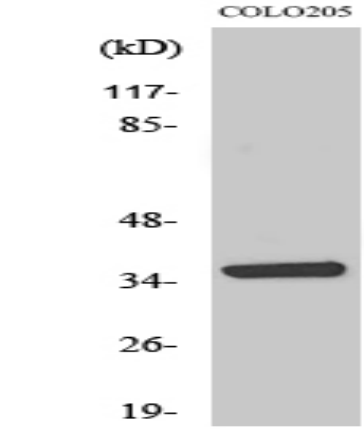
Best Tools for immunology Research

AASD-PPT Polyclonal Antibody

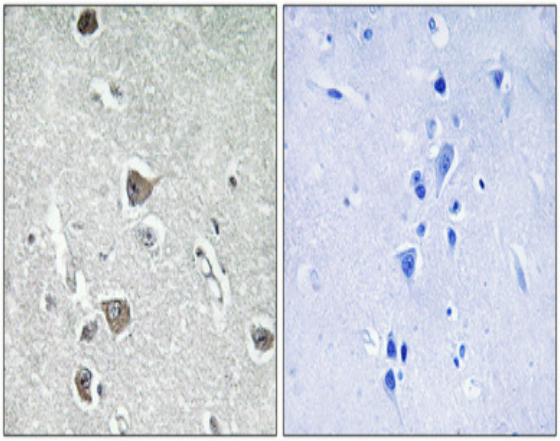
Catalog No :	YT0040
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	AASD-PPT
Fields :	>>Pantothenate and CoA biosynthesis;>>Metabolic pathways
Gene Name :	AASDHPPT
Protein Name :	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase
Human Gene Id :	60496
Human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

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	36kD
Cell Pathway :	Lysine biosynthesis;Lysine degradation;
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],
Function :	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.,
Subcellular Location :	Cytoplasm, cytosol .
Expression :	Detected in heart, skeletal muscle, placenta, testis, brain, pancreas, liver and kidney.
Sort :	1563
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

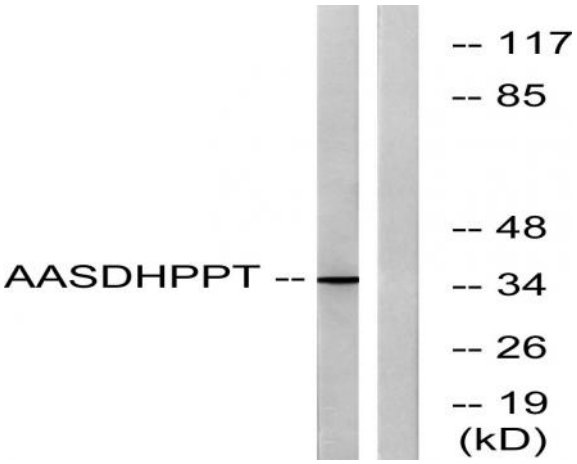
Products Images



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. Negetive contrl (right) obtaned 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.