

For Research Use Only

SDS Polyclonal antibody

Catalog Number: 16594-1-AP



Basic Information

Catalog Number: 16594-1-AP	GenBank Accession Number: BC020750	Purification Method: Antigen affinity purification
Concentration: 700 ug/ml	GeneID (NCBI): 10993	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: P20132	
Isotype: IgG	Full Name: serine dehydratase	
Immunogen Catalog Number: AG9704	Calculated MW: 218 aa, 23 kDa Observed MW: 35 kDa; 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse liver tissue, mouse brain tissue, rat brain tissue, rat liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human liver tissue,

Background Information

L-Serine dehydratase (SDS ; SDH) catalyzes the pyridoxal phosphate (PLP) dependent deamination of L-serine to yield pyruvate. In mammals, SDH is found predominantly in the liver. Extensive studies have been carried out on SDH from rat and the enzyme has been found to play an important role in gluconeogenesis; its activity is induced by the consumption of high-protein diets, starvation and other treatments. The enzyme exists as a dimer of identical subunits, with each subunit exhibiting a bilobal architecture. (PMID: 25380533, PMID: 21878319, PMID: 14646100)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

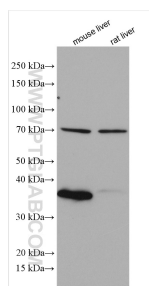
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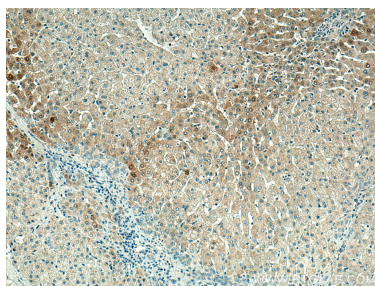
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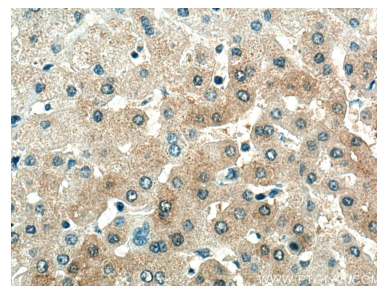
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16594-1-AP (SDS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 16594-1-AP (SDS 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 human liver tissue slide using 16594-1-AP (SDS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).