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Datasheet for ABIN954698 anti-serine Dehydratase antibody (N-Term)





Overview

Quantity:	0.4 mL
Torget:	carina Dehydrataga (SDS)
l'alget.	Senne Denyuratase (SDS)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This serine Dehydratase antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of
	Human SDS. Genename: SDS
Isotype:	Ig Fraction
Specificity:	Recognizes SDS (N-term).
Purification:	Protein A column followed by peptide Affinity purification
Target Details	

Target:	serine Dehydratase (SDS)
Alternative Name:	SDS (SDS Products)
Background:	SDS encodes one of three enzymes that are involved in metabolizing serine and glycine. L-

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Target Details

Gene ID:	serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH4+ and 2- ketobutyrate. The encoded protein is found predominantly in the liver.Synonyms: L-serine deaminase, L-serine dehydratase/L-threonine deaminase, L-threonine dehydratase, SDH, TDH 10993
NCBI Accession:	NP_006834
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.





Flow Cytometry

Image 1. Flow Cytometry analysis of K562 cells using SDS Antibody (N-term) Cat.-No AP53827PU-N (Bottom histogram) compared to a negative control cell (Top histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of SDS Antibody (N-term) Cat.-No AP53827PU-N in K562 cell line lysates (35 µg/lane). SDS (arrow) was detected using the purified Pab.

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