

Product datasheet for **AP53827PU-N**

SDS (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100-1/500. Flow Cytometry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human SDS.
Specificity:	Recognizes SDS (N-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide Affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	serine dehydratase
Database Link:	Entrez Gene 10993 Human P20132
Background:	SDS encodes one of three enzymes that are involved in metabolizing serine and glycine. L-serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH ₄ ⁺ and 2-ketobutyrate. The encoded protein is found predominantly in the liver.



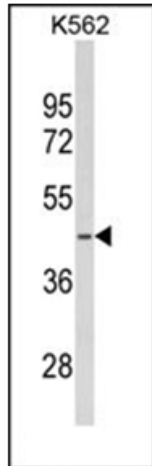
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Synonyms: L-serine deaminase, L-threonine dehydratase, TDH, L-serine dehydratase/L-threonine deaminase

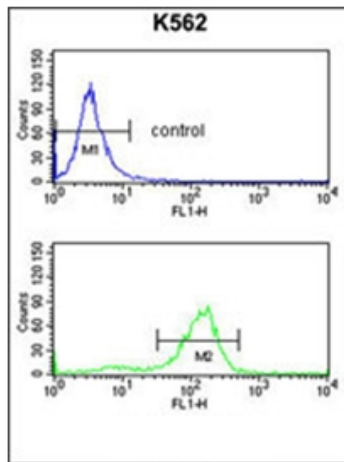
Note: **Molecular Weight:** 34625 Da

Protein Pathways: Cysteine and methionine metabolism, Glycine, serine and threonine metabolism, Metabolic pathways

Product images:



Western blot analysis of SDS Antibody (N-term) in K562 cell line lysates (35 ug/lane). SDS (arrow) was detected using the purified Pab.



Flow Cytometry analysis of K562 cells using SDS Antibody (N-term) (Bottom histogram) compared to a negative control cell (Top histogram). FITC-conjugated Goat-anti-Rabbit secondary antibodies were used for the analysis.