

**SDS Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP9041a****Specification**

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**SDS Antibody (N-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P20132</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34625
Antigen Region	1-30

**SDS Antibody (N-term) - Additional Information****Gene ID** 10993**Other Names**

L-serine dehydratase/L-threonine deaminase, SDH, L-serine deaminase, L-threonine dehydratase, TDH, SDS, SDH

**Target/Specificity**

This SDS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SDS.

**Dilution**

WB~~1:1000

FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SDS Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SDS Antibody (N-term) - Protein Information****Name** SDS**Synonyms** SDH

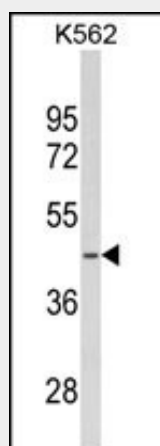
**Cellular Location**

Cytoplasm.

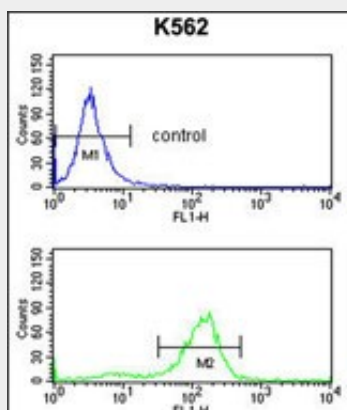
**SDS Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SDS Antibody (N-term) - Images**

Western blot analysis of SDS Antibody (N-term) (Cat. #AP9041a) in K562 cell line lysates (35ug/lane). SDS (arrow) was detected using the purified Pab.



SDS Antibody (N-term) (Cat. #AP9041a) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

**SDS Antibody (N-term) - 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  $\text{NH}_4^+$  and 2-ketobutyrate. The encoded protein is found predominantly in the liver.

#### **SDS Antibody (N-term) - References**

Yamada,T., et.al., Biochim. Biophys. Acta 1780 (5), 809-818 (2008)  
Szaflik,J.P., et.al., Exp. Eye Res. 86 (4), 647-652 (2008)