

SDS/Serine dehydratase Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57894**Specification****SDS/Serine dehydratase Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P20132
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SDS/Serine dehydratase
Epitope Specificity	201-300/328
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cytoplasm.
SIMILARITY	Belongs to the serine/threonine dehydratase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

This gene 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 NH₄⁺ and 2-ketobutyrate. The encoded protein is found predominantly in the liver. [provided by RefSeq, Jul 2008]

SDS/Serine dehydratase Polyclonal Antibody - Additional Information**Gene ID** 10993**Other Names**

L-serine dehydratase/L-threonine deaminase, SDH, 4.3.1.17, L-serine deaminase, L-threonine dehydratase, TDH, 4.3.1.19, SDS, SDH

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

SDS/Serine dehydratase Polyclonal Antibody - Protein Information

Name SDS

Synonyms SDH

Function

Catalyzes the pyridoxal-phosphate-dependent dehydrative deamination of L-threonine and L-serine to ammonia and alpha- ketobutyrate and pyruvate, respectively.

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P09367}.

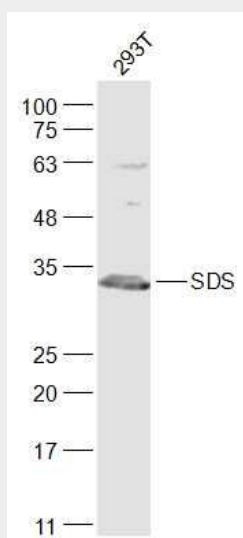
Tissue Location

Predominantly expressed in the perivenous regions of the liver.

SDS/Serine dehydratase Polyclonal Antibody - 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/Serine dehydratase Polyclonal Antibody - Images

Sample:

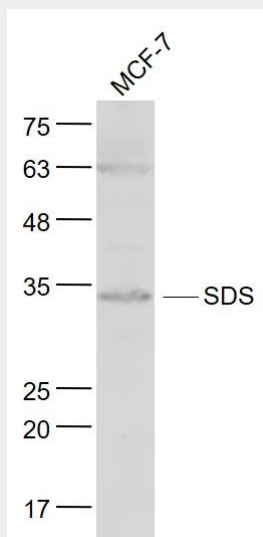
293T(Human) Cell Lysate at 30 ug

Primary: Anti-SDS (bs-21137R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 33 kD

**Sample:**

MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti- SDS/Serine dehydratase (bs-21137R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 35 kD

Observed band size: 34 kD