

**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	<a href="#">P20132</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SDS/Serine dehydratase 201-300/328
Epitope Specificity	IgG
Isotype	
<b>Purity</b>	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

<span class = "dilution\_WB">WB~~1:1000</span><br /><span class = "dilution\_IHC-P">IHC-P~~N/A</span><br /><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br /><span class = "dilution\_IF">IF~~1:50~200</span><br /><span class = "dilution\_ICC">ICC~~N/A</span><br /><span class = "dilution\_E">E~~N/A</span>

**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}.

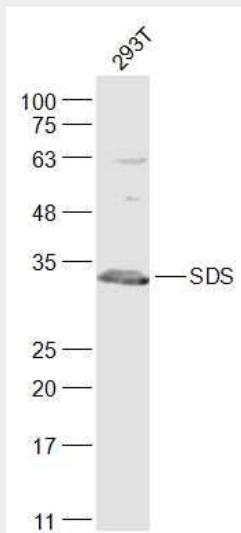
**Tissue Location**

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:

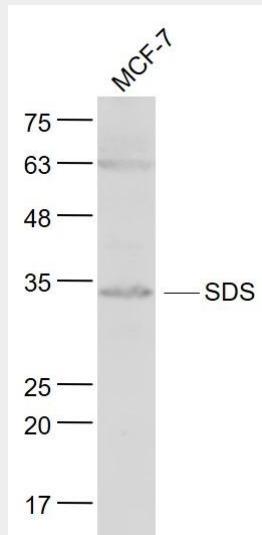
293T(Human) Cell Lysate at 30 ug

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