10320 Camino Santa Fe, Suite G
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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

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ 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 ℃.

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 Cytomety
- Cell Culture

SDS/Serine dehydratase Polyclonal Antibody - Images

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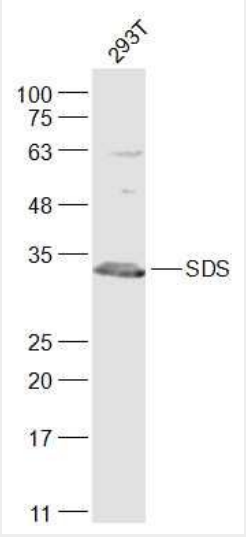
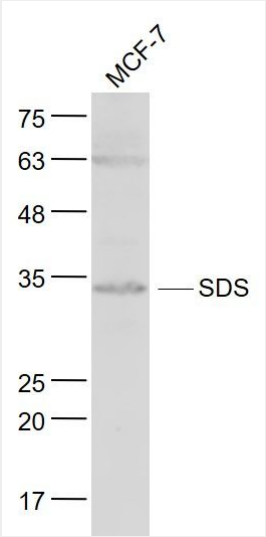


Sample:
293T(Human) Cell Lysate at 30 ug
Primary: Anti-SDS (bs-21137R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 33 kD



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