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SDS/Serine dehydratase Rabbit pAb

SDS/Serine dehydratase Rabbit pAb
Catalog # AP57894

Product Information

Application	WB
Primary Accession	P20132
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34625
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.
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]

Additional Information

Gene ID	10993
Other Names	L-serine dehydratase/L-threonine deaminase, SDH, 4.3.1.17, Hepatic serine dehydratase, hSDH, L-serine deaminase, L-threonine dehydratase, TDH, 4.3.1.19, SDS, SDH
Dilution	WB=1:500-2000
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.

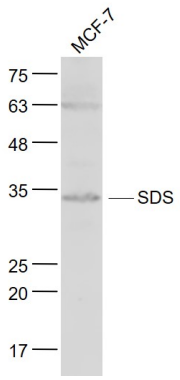
Protein Information

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.

Background

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Images



Sample:
MCF-7(Human) Cell Lysate at 30 ug
Primary: Anti- SDS/Serine dehydratase (AP57894) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 34 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.