

SDSL Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18252a**Specification**

SDSL Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O96GA7
Other Accession	NP_612441.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	34674
Antigen Region	1-30

SDSL Antibody (N-term) - Additional Information**Gene ID** 113675**Other Names**

Serine dehydratase-like, L-serine deaminase, L-serine dehydratase/L-threonine deaminase, L-threonine dehydratase, TDH, Serine dehydratase 2, SDH 2, SDSL

Target/Specificity

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

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

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

SDSL Antibody (N-term) - Protein Information**Name** SDSL

Function Catalyzes the pyridoxal-phosphate-dependent dehydrative deamination of L-threonine and L-serine to ammonia and alpha- ketobutyrate and pyruvate, respectively (PubMed:[16580895](#), PubMed:[18342636](#)). Also exhibits racemase activity towards L-glutamate and D-glutamate (By similarity).

Tissue Location

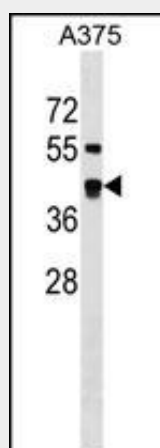
Expressed in lung cancer cell lines.

SDSL 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](#)

SDSL Antibody (N-term) - Images



SDSL Antibody (N-term) (Cat. #AP18252a) western blot analysis in A375 cell line lysates (35ug/lane). This demonstrates the SDSL antibody detected the SDSL protein (arrow).

SDSL Antibody (N-term) - Background

SDSL has low serine dehydratase and threonine dehydratase activity.

SDSL Antibody (N-term) - References

Yamada, T., et al. Biochim. Biophys. Acta 1780(5):809-818(2008)