

**AASS Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11094b****Specification**

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**AASS Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">O9UDR5</a>
Other Accession	<a href="#">NP_005754.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	102132
Antigen Region	805-834

**AASS Antibody (C-term) - Additional Information****Gene ID** 10157**Other Names**

Alpha-aminoadipic semialdehyde synthase, mitochondrial, LKR/SDH, Lysine ketoglutarate reductase, LKR, LOR, Saccharopine dehydrogenase, SDH, AASS

**Target/Specificity**

This AASS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 805-834 amino acids from the C-terminal region of human AASS.

**Dilution**

WB~~1:1000

FC~~1:10~50

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**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**

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

**AASS Antibody (C-term) - Protein Information****Name** AASS ([HGNC:17366](#))

**Function** Bifunctional enzyme that catalyzes the first two steps in lysine degradation.

**Cellular Location**

Mitochondrion.

**Tissue Location**

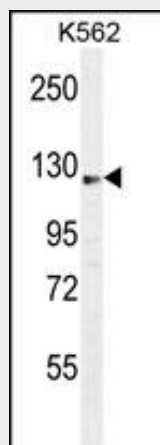
Expressed in all 16 tissues examined with highest expression in the liver

**AASS Antibody (C-term) - Protocols**

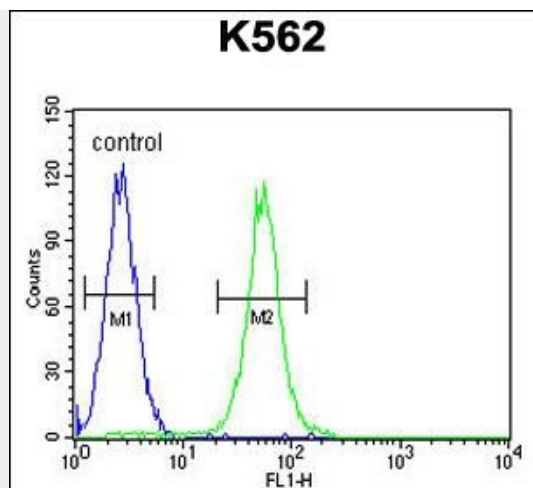
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AASS Antibody (C-term) - Images**



AASS Antibody (C-term) (Cat. #AP11094b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the AASS antibody detected the AASS protein (arrow).



AASS Antibody (C-term) (Cat. #AP11094b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **AASS Antibody (C-term) - Background**

This gene encodes a bifunctional enzyme that catalyzes the first two steps in the mammalian lysine degradation pathway. The N-terminal and the C-terminal portions of this enzyme contain lysine-ketoglutarate reductase and saccharopine dehydrogenase activity, respectively, resulting in the conversion of lysine to alpha-aminoadipic semialdehyde. Mutations in this gene are associated with familial hyperlysinemia.

#### **AASS Antibody (C-term) - References**

Sacksteder, K.A., et al. Am. J. Hum. Genet. 66(6):1736-1743(2000)  
Papes, F., et al. Biochem. J. 344 PT 2, 555-563 (1999) :