

**AASS Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2779C****Specification**

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**AASS Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q9UDR5</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	102132
Antigen Region	264-294

**AASS Antibody (Center) - 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 264-294 amino acids from the Central region of human AASS.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**AASS Antibody (Center) - Protein Information****Name** AASS ([HGNC:17366](#))**Function** Bifunctional enzyme that catalyzes the first two steps in lysine degradation.

**Cellular Location**

Mitochondrion.

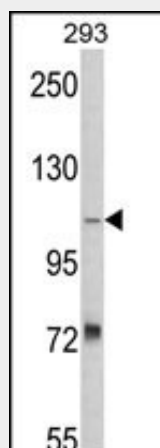
**Tissue Location**

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

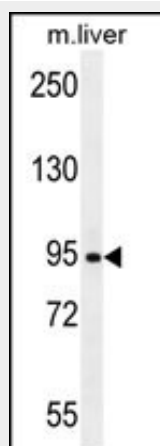
**AASS Antibody (Center) - Protocols**

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](#)

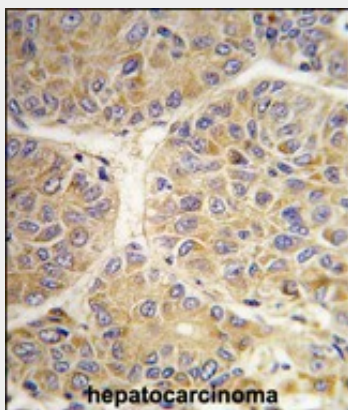
**AASS Antibody (Center) - Images**

Western blot analysis of AASS Antibody (Center) (Cat. #AP2779c) in 293 cell line lysates (35ug/lane). AASS (arrow) was detected using the purified Pab.



AASS Antibody (Center) (Cat.#AP2779c) western blot analysis in mouse liver tissue lysates

(35ug/lane). This demonstrates the AASS antibody detected the AASS protein (arrow).



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with the AASS antibody (Center) (Cat.#AP2779c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

#### **AASS Antibody (Center) - Background**

AASS is 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-amino adipic semialdehyde. Mutations in the gene encoding this protein are associated with familial hyperlysinemia.

#### **AASS Antibody (Center) - References**

Sacksteder, K.A., Am. J. Hum. Genet. 66 (6), 1736-1743 (2000)