

AASS Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2779c**Specification**

AASS Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9UDR5](#)**AASS Antibody (Center) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP2779c](/products/AP2779c) was selected from the Center region of human AASS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AASS Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AASS Antibody (Center) Blocking Peptide - Images

AASS Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

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