

Product datasheet for **AP50013PU-N**

AASS (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western blotting: 1/50 - 1/100. Flow Cytometry: 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 812-841 amino acids from the C-terminal region of human AASS.
Specificity:	This antibody reacts to AASS.
Formulation:	PBS with 0.09% (W/V) sodium azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aminoadipate-semialdehyde synthase
Database Link:	Entrez Gene 10157 Human Q9UDR5



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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.

Synonyms:

LKR/SDH

Note:

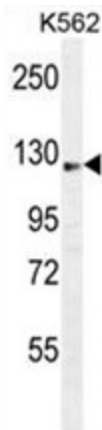
Molecular Weight: 102132 Da

Protein Families:

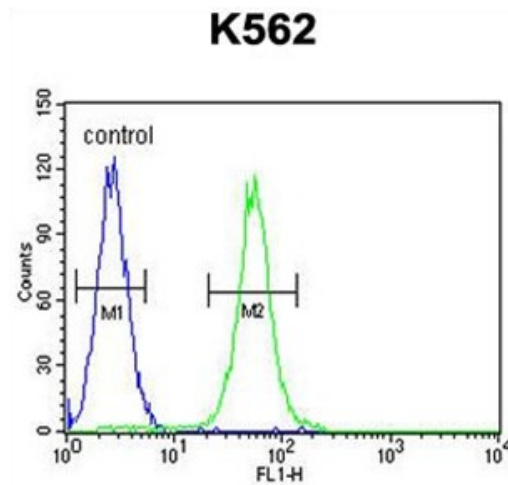
Druggable Genome

Protein Pathways:

Lysine biosynthesis, Lysine degradation, Metabolic pathways

Product images:


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



AASS Antibody (C-term) 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.