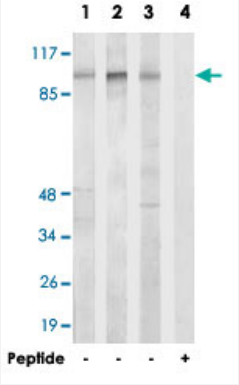
AASS polyclonal antibody

Catalog # PAB17603 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells (Lane 1), 293 cells (lane 2 and lane 4) and HUVEC cells (Lane 3), using AASS polyclonal antibody (Cat # PAB17603).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AASS.
Immunogen	A synthetic peptide corresponding to internal of human AASS.
Host	Rabbit
Reactivity	Human
Specificity	This antibody detects endogenous levels of total AASS protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — AASS

Entrez GeneID	10157
Protein Accession#	Q9UDR5
Gene Name	AASS
Gene Alias	LKR/SDH, LKRSDH, LORSDH
Gene Description	aminoadipate-semialdehyde synthase
Omim ID	238700 268700 605113
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	alpha-aminoadipate semialdehyde synthase|aminoadipic semialdehyde synthase|lysine-2-oxoglutarate reductase|lysine-ketoglutarate reductase /saccharopine dehydrogenase

Pathway

- Biosynthesis of alkaloids derived from ornithine
- Lysine biosynthesis

- Lysine degradation
- Metabolic pathways