



Human ASS1 blocking peptide (CDBP0471)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Argininosuccinate synthetase 1 antibody
Antigen Description	The protein encoded by this gene catalyzes the penultimate step of the arginine biosynthetic pathway. There are approximately 10 to 14 copies of this gene including the pseudogenes scattered across the human genome, among which the one located on chromosome 9 appears to be the only functional gene for argininosuccinate synthetase. Mutations in the chromosome 9 copy of this gene cause citrullinemia. Two transcript variants encoding the same protein have been found for this gene.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ASS1 argininosuccinate synthase 1 [Homo sapiens]
Official Symbol	ASS1
Synonyms	ASS1; argininosuccinate synthase 1; argininosuccinate synthetase , ASS; argininosuccinate synthase; CTLN1; citrulline-aspartate ligase; citrulline--aspartate ligase; argininosuccinate

synthetase 1; ASS;

Entrez Gene ID	445
mRNA Refseq	NM_000050
Protein Refseq	NP_000041
UniProt ID	P00966
Chromosome Location	9q34.1
Pathway	Alanine and aspartate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	ATP binding; argininosuccinate synthase activity; argininosuccinate synthase activity; ligase activity; nucleotide binding; protein binding; toxin binding;