



Goat Anti-Human ASS1 Polyclonal antibody (CPBT-67646GH)

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

PRODUCT INFORMATION

Product Overview	Goat anti human ASS1 antibody recognises human argininosuccinate synthetase-1, an ornithine (urea) cycle enzyme which catalyzes the penultimate step of the arginine biosynthetic pathway. Defects in ASS1 genes are responsible for the autosomal recessive disease known as citrullinemia type 1 (CTLN1), characterized by increased levels of urine and serum citrulline, and ammonia intoxication.
Specificity	ASS1
Immunogen	Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP_000041.2;
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; IP; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.02% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ASS1 argininosuccinate synthase 1 [Homo sapiens (human)]
Official Symbol	ASS1
Synonyms	ASS1; argininosuccinate synthase 1; ASS; CTLN1; argininosuccinate synthase; citrulline-aspartate ligase; citrulline--aspartate ligase; argininosuccinate synthetase 1;
Entrez Gene ID	445
Protein Refseq	NP_000041
UniProt ID	P00966
Chromosome Location	9q34.1
Pathway	Alanine and aspartate metabolism; Alanine, aspartate and glutamate metabolism; Arginine and proline metabolism; Biosynthesis of amino acids; Metabolic pathways; Metabolism; Metabolism of amino acids and derivatives; Urea cycle;
Function	ATP binding; amino acid binding; argininosuccinate synthase activity; poly(A) RNA binding; protein binding; toxic substance binding;