



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

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

## PRODUCT INFORMATION

<b>Product Overview</b>	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.
<b>Specificity</b>	ASS1
<b>Immunogen</b>	Peptide sequence C-ENPKNQAPPGLYTKTQD from the internal region of ASS1 (NP_000041.2;
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA; IP; IHC-P; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	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	<a href="#">ASS1 argininosuccinate synthase 1 [ Homo sapiens (human) ]</a>
Official Symbol	ASS1
Synonyms	ASS1; argininosuccinate synthase 1; ASS; CTLN1; argininosuccinate synthase; citrulline-aspartate ligase; citrulline--aspartate ligase; argininosuccinate synthetase 1;
Entrez Gene ID	<a href="#">445</a>
Protein Refseq	<a href="#">NP_000041</a>
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;