



# Anti-Carbamylation (Homocitrulline) polyclonal antibody (CABT-B9051)

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

## PRODUCT INFORMATION

<b>Specificity</b>	(+) Human carbamylation (homocitrulline)
<b>Immunogen</b>	Carbamylated protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Hapten Affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, IP, WB
<b>Format</b>	Liquid
<b>Size</b>	500 µl
<b>Buffer</b>	TBS, pH 7.4, containing 50% glycerol, 0.1% BSA, and 0.02% sodium azide
<b>Preservative</b>	0.2% Sodium Azide
<b>Storage</b>	-20°C

## BACKGROUND

<b>Introduction</b>	L-Homocitrulline is an amino acid and a metabolite of ornithine in human metabolism and mammalian. The amino acid can be detected in larger amounts in the urine of individuals with
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urea cycle disorders. At presence, it is thought that the depletion of the ornithine supply causes the accumulation of carbamyl-phosphate in the urea cycle which may be responsible for the enhanced synthesis of homocitrulline and homoarginine. Both amino acids can be detected in urine. Amino acid analysis allows for the quantitative analysis of these amino acid metabolites in biological fluids such as urine or blood.

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**Keywords**

Homocitrulline

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