



Anti-BirA polyclonal antibody (DPAB-PT1113RH)

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

PRODUCT INFORMATION

Specificity	E. coli BirA
Target	BirA
Immunogen	Recombinant E. coli BirA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	E. coli
Purification	Antigen Affinity Purified
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Size	100µg
Buffer	0.2 µm filtered solution in PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction BirA acts both as a biotin-[acetyl-CoA-carboxylase] ligase and a biotin-operon repressor. In the presence of ATP, BirA activates biotin to form the BirA-biotinyl-5'-adenylate (BirA-bio-5'-AMP or holoBirA) complex. HoloBirA can either transfer the biotinyl moiety to the biotin carboxyl carrier protein (BCCP) subunit of acetyl-CoA carboxylase, or bind to the biotin operator site and inhibit transcription of the operon.

Keywords birA; biotin ligase; Bifunctional protein birA; Bio R; BioR; Biotin [acetyl CoA carboxylase]

synthetase; Biotin operon repressor; Biotin protein ligase; Bir A; BirA bifunctional protein; Dhb B;
dhbB; biotin-protein ligase
