



# Chicken Anti-E. coli BirA Polyclonal Antibody (CABT-Z814C)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Reacts with native E. coli biotin ligase/BirA and the BirA R118G mutant used in BioID studies
<b>Immunogen</b>	Recombinant E. coli BirA R118G, MW 37 kDa.
<b>Isotype</b>	IgY
<b>Source/Host</b>	Chicken
<b>Species Reactivity</b>	E. coli
<b>Purification</b>	Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF Recommended dilution: WB: 1:40000 IF: 1:5000
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µl
<b>Buffer</b>	0.01% sodium azide, glycerol (50% v/v), PBS (50% v/v).
<b>Preservative</b>	0.01% NaN <sub>3</sub>
<b>Storage</b>	Store at 2-6°C for short term storage. Aliquot and store at -20°C for long term storage. Avoid repeated freeze/thaw cycles.

## BACKGROUND

**Introduction**

BirA acts both as a biotin-operon repressor and as the enzyme that synthesizes the corepressor, acetyl-CoA:carbon-dioxide ligase. This protein also activates biotin to form biotinyl-5'-adenylate and transfers the biotin moiety to biotin-accepting proteins.

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**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

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