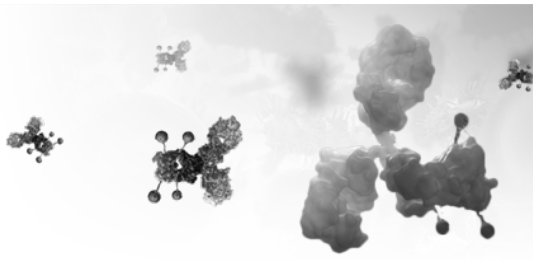

Rabbit Anti-A. pleuropneumoniae hlyX Polyclonal Antibody (CABT-YN1002)

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

PRODUCT INFORMATION

Specificity	A. pleuropneumoniae (Haemophilus pleuropneumoniae)
Target	A. pleuropneumoniae hlyX
Immunogen	Recombinant Bovine viral diarrhea virus Genome polyprotein protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	A. pleuropneumoniae
Purification	Protein A/G
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	10 mg
Buffer	50% Glycerol, 0.01M PBS, pH7.4
Preservative	0.03% Proclin 300
Storage	Store at -20°C or -80°C. Avoid repeated freeze.

BACKGROUND

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Introduction	Actinobacillus (A.) pleuropneumoniae, a Gram-negative bacterium belonging to the family Pasteurellaceae, is one of the most important respiratory tract pathogens in the pig industry. The hlyX gene of Actinobacillus pleuropneumoniae encodes HlyX, a homologue of FNR, the anaerobic transcription regulator of Escherichia coli. The hlyX gene complements the anaerobic respiratory deficiencies of E. coli fnr mutants but also induces the expression of an otherwise latent haemolysin. The HlyX protein does not have haemolytic activity. Indeed, HlyX is member of the CRP/FNR family of transcription regulators. The amino acid sequence of the predicted DNA-binding helix of HlyX contains all the residues required for recog-nition of FNR-binding sites. Accordingly, when HlyX is expressed in E. coli, it recognizes and regulates transcrip-tion from FNR-dependent genes in response to anaerobiosis. The purified HlyX protein has been shown to possess an oxygen-sensitive [4Fe-4S] cluster after anaerobic reconstitution.
Keywords	E. coli FNR; E. coli hlyX; Actinobacillus pleuropneumoniae hlyX protein; A. pleuropneumoniae hlyX; A. pleuropneumoniae hlyX protein; APP hlyX; Haemophilus pleuropneumoniae hlyX; H. parahaemolyticus hlyX; Actinobacillus pleuropneumoniae; APP; Haemophilus pleuropneumoniae; H. parahaemolyticus; pleuropneumoniae; pleuropneumoniae hlyX; Actinobacillus; Haemophilus; pleuropneumonia of swine; Pasteurellales; Pasteurellaceae; Actinobacillus; hlyX; hemolysin; hemolysinX

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