



Rabbit Anti-A. pleuropneumoniae hly Polyclonal Antibody (CABT-YN1001)

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

PRODUCT INFORMATION

Specificity	A. pleuropneumoniae (Haemophilus pleuropneumoniae)
Target	A. pleuropneumoniae hly
Immunogen	Recombinant Actinobacillus pleuropneumoniae (Haemophilus pleuropneumoniae) hly 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

Introduction

Actinobacillus pleuropneumoniae (APP), previously designated as *Haemophilus pleuropneumoniae* or *H. parahaemolyticus*, is the cause of pleuropneumonia of swine. This bacterium is a gram-negative encapsulated coccobacillary rod, which requires nicotinamide adenine dinucleotide (NAD or factor V) for growth. There are currently 15 recognized serotypes (1–15). Extracellular hemolytic toxins ApxI, ApxII, and ApxIII are some of the more important virulence factors of the *A. pleuropneumoniae* strains that produce them. All serotypes secrete more than one Apx toxin. There are differences between serotypes as well as differences in geographical prevalence of serotypes. Among the different serotypes of *Actinobacillus pleuropneumoniae*, the causative agent of swine pleuropneumonia, a strongly active hemolysin I (Hly I) is produced by serotypes which are particularly virulent, and less active hemolysin II (HlyII) is produced by all serotypes except type 10. These Hly are strongly immunogenic in experimentally and naturally infected pigs. They were also shown to induce protective immunity against *A. pneumoniae* infection and are important components for subunit vaccines.

Keywords

Actinobacillus pleuropneumoniae hly protein; *A. pleuropneumoniae* hly; *A. pleuropneumoniae* hly protein; APP hly; *Haemophilus pleuropneumoniae* hly; *H. parahaemolyticus* hly; *Actinobacillus pleuropneumoniae*; APP; *Haemophilus pleuropneumoniae*; *H. parahaemolyticus*; 21kDa hemolysin; hly; *Actinobacillus pleuropneumoniae* 21kDa hemolysin; APP 21kDa hemolysin; *Haemophilus pleuropneumoniae* 21kDa hemolysin; *H. parahaemolyticus* 21kDa hemolysin; pleuropneumoniae; pleuropneumoniae hly; *Actinobacillus*; *Haemophilus*; pleuropneumonia of swine; Bacteria; *Actinobacillus*; hemolysin; *Actinobacillus pleuropneumoniae* hemolysin