



Rabbit Anti-M. hyopneumoniae p46 (strain J/ATCC 25934/NCTC 10110) Polyclonal Antibody (CABT-YN1014)

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

PRODUCT INFORMATION

Specificity	M. hyopneumoniae p46 (strain J/ATCC 25934/NCTC 10110)
Target	M. hyopneumoniae p46
Immunogen	Recombinant Mycoplasma hyopneumoniae 46 kDa surface antigen protein (28-416AA)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	M. hyopneumoniae
Purification	>95% by Protein G
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	100 µg
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

Mycoplasma hyopneumoniae is a prokaryotic pathogen that colonizes the respiratory ciliated epithelial cells in swine. Infected animals suffer respiratory lesions, causing major economic losses in the porcine industry. Characterization of the immunodominant membrane-associated proteins from *M. hyopneumoniae* may be instrumental in the development of new therapeutic approaches. The genome of *Mycoplasma hyopneumoniae* encodes several immunodominant proteins, including a cytosolic protein (p36), three membranous proteins (p46, p65, and p74), and an adhesin (p97). The P46 protein is the focal adhesion protein of *M. hyopneumoniae*, one of the major immunodominant proteins, and has no cross-reaction with other mycoplasma. The crystal structure of P46 from *M. hyopneumoniae* shows N- and C-terminal α/β domains connected by a hinge.

Keywords

Mycoplasma hyopneumoniae 46kd surface antigen; *Mycoplasma hyopneumoniae* 46kd surface protein; *Mycoplasma hyopneumoniae* p46; *Mycoplasma hyopneumoniae* p46; PBP1_ChvE; MHJ_0511; Adhesin; Bacteria; Tenericutes; Mollicutes; Mycoplasmataceae; Mesomycoplasma
