



# Rabbit Anti-Klebsiella pneumoniae Polyclonal antibody [Biotin] (CABT-CS094)

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

## PRODUCT INFORMATION

Specificity	This antibody reacts with Klebsiella species.
Target	Klebsiella
Immunogen	Klebsiella pneumoniae
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Klebsiella species
Conjugate	Biotin
Applications	IF
Format	Liquid
Concentration	4-5 mg/mL
Size	1 ml
Buffer	PBS, pH 7.2
Preservative	0.1% sodium azide
Storage	Short term (6months) storage is liquid at 4°C. For longer term storage, aliquot and freeze.

## BACKGROUND

**Introduction**

Klebsiella are non-motile, rod-shaped, aerobic bacteria that possess a prominent polysaccharide capsule. Some of these bacteria produce an extracellular toxic complex that has been shown to be "lethal for and produce extensive lung pathology in mice". It is composed of 63% capsular polysaccharide, 30% lipopolysaccharide, and 7% protein; when introduced to experimental animals in sublethal doses, the animals built up immunization due to antibody production. Klebsiella pneumoniae is one of the most common Gram-negative bacteria seen by physicians worldwide. Pneumonias that are caused by Klebsiella pneumoniae are difficult to control; mortality rates have even been reported as up to 50% after antibiotic treatment. Nitrogen metabolism in Klebsiella aerogenes has also been studied thoroughly.

**Keywords**

K. pneumoniae; Klebsiella pneumoniae