



# Duck Anti-Theophylline Polyclonal Antibody (CABT-CS526)

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

## PRODUCT INFORMATION

Specificity	Theophylline
Target	Theophylline
Isotype	IgY ( $\Delta$ Fc)
Source/Host	Duck
Species Reactivity	N/A
Purification	>98%
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Preservative	None
Storage	Store at 2-8°C for short term. Store at -20°C for long term. Avoid repeated freezing-thawing cycles.

## BACKGROUND

Introduction	Theophylline, also known as 1,3-dimethylxanthine, is a phosphodiesterase inhibiting drug used in therapy for respiratory diseases such as chronic obstructive pulmonary disease (COPD) and asthma under a variety of brand names. As a member of the xanthine family, it bears structural and pharmacological similarity to theobromine and caffeine, and is readily found in nature,
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being present in tea (*Camellia sinensis*) and cocoa (*Theobroma cacao*). A small amount of theophylline is one of the products of caffeine metabolic processing in the liver.

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**Keywords**

Theophylline; Theophylline anhydrous; Theolair; Slo-Bid

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