



Anti-Saccharomyces HSC82 polyclonal antibody (CABT-BL1858)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide conjugated to KLH derived from within residues 650 to the C-terminus of <i>Saccharomyces cerevisiae</i> Hsc82.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>S. cerevisiae</i>
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cytoplasmic and Mitochondrial
Format	Liquid
Size	100 µg
Buffer	1% BSA, PBS, pH 7.4
Preservative	0.02% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

Diphtheria is a bacterial infectious disease which appears predominantly during the childhood. The disease leads particularly to an inflammation of the pharynx, larynx and nasal mucosa. The etiologic agent is the *Corynebacterium diphtheriae*. Its pathogenicity is based on the secretion of an exotoxin that is circulating in the blood and effecting the heart muscle, kidneys and CNS. Only the toxigenic strains are pathogenic. Depending on the stage of disease, the three types 'slight, middle and serious' can be distinguished. The grade of disease depends on the immune status of the child. Usually, a limited Diphtheria arises, whereas in case of an immune suppression, a severe Diphtheria is observed. As a result of this course of disease, the patient may die. In most cases children will be vaccinated (e.g. DTP = Diphtheria-Tetanus-Pertussis) after the third month of life. The state of immunity can be monitored by determining the antitoxin IgG.

GENE INFORMATION

Entrez Gene ID	855224
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Protein Refseq	NP_013911
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UniProt ID	P15108
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