

# Dermonecrotic toxin protein ab63831

2 Images

## Overview

**Product name** Dermonecrotic toxin protein

## Description

**Nature** Natural

**Source** Native

**Amino Acid Sequence**

**Amino acids** 0 to 0

## Specifications

Our [Abpromise guarantee](#) covers the use of **ab63831** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Biological activity** Activity: DNT at 5 ng/ml induces ballooning morphological change in cultured mouse osteoblastic cell line MC3T3-E1.

**Applications** SDS-PAGE  
Functional Studies

**Purity** > 95 % by SDS-PAGE.

**Form** Liquid

**Additional Notes**

ab63831 can be used for studies of the signaling pathways mediated by small GTP-binding proteins.

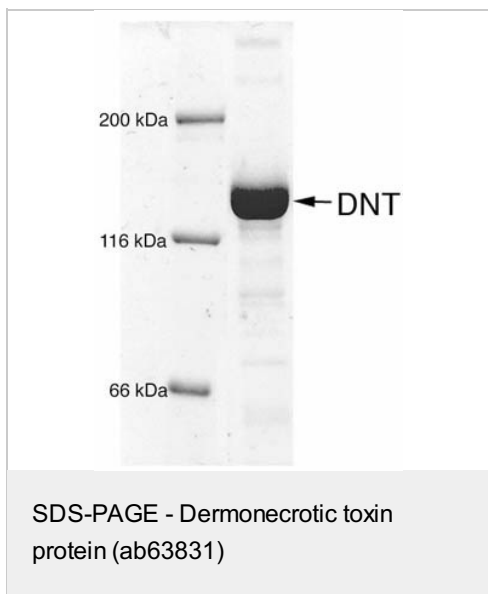
## Preparation and Storage

**Stability and Storage** Store at +4°C. Do not freeze.  
Preservative: None  
Constituents: 1M Urea, 50mM Sodium phosphate, 0.3 M sodium sulfate, pH 7.2  
This product is an active protein and may elicit a biological response in vivo, handle with caution.

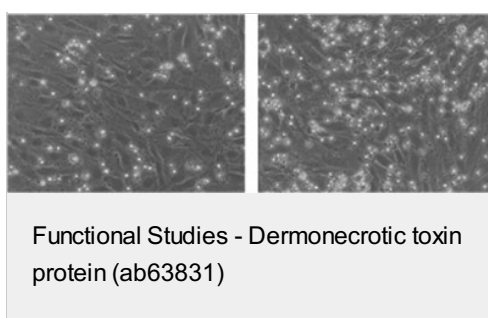
## General info

**Relevance** Dermonecrotic toxin (DNT) is a common toxin produced by pathogenic bacteria belonging to the genus *Bordetella*, such as *B.pertussis*, *B.parapertussis*, and *B.bronchiseptica*. This toxin activates small GTP-binding proteins, such as Rho, Rac and Cdc42 through deamidation or polyamination. The small GTP-binding proteins then continuously transduce signals to downstream effectors.

## Dermonecrotic toxin protein images



ab63831 on SDS-PAGE (CBB staining).  
Molecular Weight: ~160 kDa.



ab63831 used in Functional Studies.  
Morphological change of mouse MC3T3-E1 cells induced by DNT at 5 ng/ml, incubated for 24 hours at 37&degC.  
Left image: Un-treated. Right image: Treated with DNT at 5 ng/ml.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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