

Datasheet for ABIN318787  
**anti-UNG antibody (N-Term)**



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2 Images

## Overview

Quantity:	0.1 mg
Target:	UNG
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNG antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	14 amino acid peptide sequence near the amino terminus of human UNG1.
Isotype:	IgG
Specificity:	This antibody recognises uracil-DNA glycosylase 1 (UNG1), a member of the uracil-DNA glycosylase and cyclin family.
Purification:	Purified

## Target Details

Target:	UNG
Abstract:	<a href="#">UNG Products</a>
Target Type:	Viral Protein

## Target Details

Background:	Two isoforms of UNG exist, isoform 1 is expressed in the mitochondria of in skeletal muscle, heart and testicles while isoform 2 (UNG2) is more abundant in proliferating tissues and expressed in the nucleus. Uracil residues can be misincorporated into DNA by DNA polymerase or by deamination of cytosine. UNG1 is a major enzyme in base excision repair, excising the misincorporated uracil residues in a process crucial to increasing immunoglobulin diversity. In association with activation-induced cytosine deaminase, UNG is also essential to the generation of strand breaks that initiate class switch recombination. UNG is also involved in the innate immune response against retroviral infections, HIV-1 accessory protein Vpr induces the rapid degradation of UNG2.Synonyms: DGU, UDG, UNG1, UNG15
Gene ID:	7374
NCBI Accession:	<a href="#">NP_003353</a>
UniProt:	<a href="#">P13051</a>
Pathways:	<a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

## Application Details

Application Notes:	Western Blot: 0.5 - 1.0g/mL, detects a band of approximately 34.6 kDa in C2C/2 celllysates. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

## Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline containing 0.02 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for up to one month or (in aliquots) at -20 °C for longer.

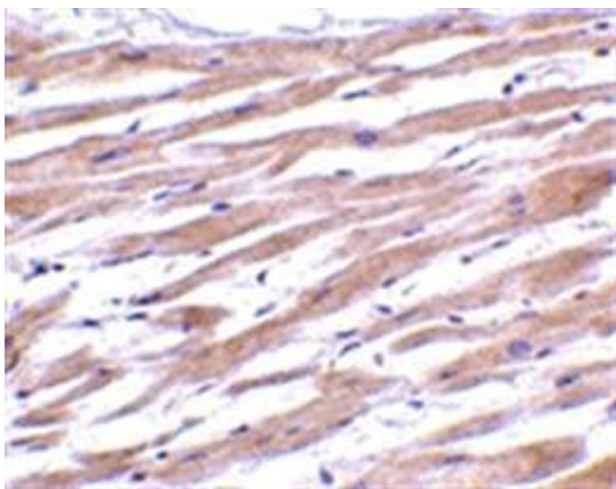


Image 1.

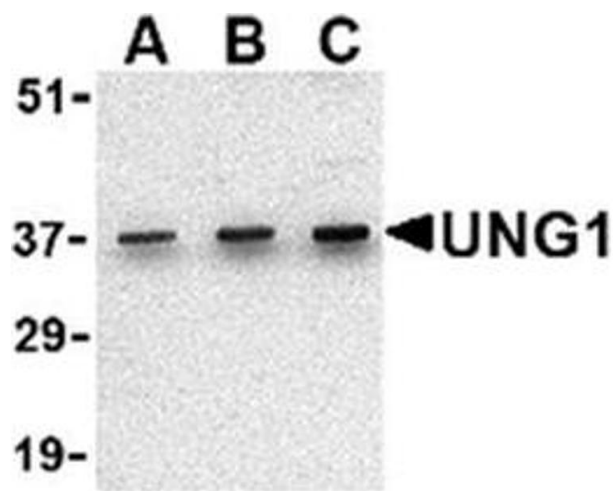


Image 2.