

Datasheet for ABIN2782431  
**anti-PRIM1 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	PRIM1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Guinea Pig, Horse, Dog, Zebrafish (Danio rerio), Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRIM1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PRIM1
Sequence:	SQYYRWLNYG GVIKNYFQHR EFSFTLKDDI YIRYQSFNNQ SDLEKEMQKM
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 80%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against PRIM1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	PRIM1
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## Target Details

Alternative Name:	PRIM1 ( <a href="#">PRIM1 Products</a> )
Background:	<p>The replication of DNA in eukaryotic cells is carried out by a complex chromosomal replication apparatus, in which DNA polymerase alpha and primase are two key enzymatic components. Primase, which is a heterodimer of a small subunit and a large subunit, synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication. PRIM1 is the small, 49 kDa primase subunit. The replication of DNA in eukaryotic cells is carried out by a complex chromosomal replication apparatus, in which DNA polymerase alpha and primase are two key enzymatic components. Primase, which is a heterodimer of a small subunit and a large subunit, synthesizes small RNA primers for the Okazaki fragments made during discontinuous DNA replication. The protein encoded by this gene is the small, 49 kDa primase subunit.</p> <p>Alias Symbols: MGC12308, p49</p> <p>Protein Interaction Partner: FAM96B, CIAO1, UBC, MMS19, MDC1, POLA2, PRIM2, POLE, POLA1, COPS6, RPA3, RPA2, RPA1, RAE1, MRPL38, TP53, XRCC5,</p> <p>Protein Size: 420</p>
Molecular Weight:	50 kDa
Gene ID:	5557
NCBI Accession:	<a href="#">NM_000946</a> , <a href="#">NP_000937</a>
UniProt:	<a href="#">P49642</a>
Pathways:	<a href="#">Telomere Maintenance</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 420 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

**Image 1.** WB Suggested Anti-PRIM1 Antibody Titration:  
1.25ug/ml Positive Control: K562 cell lysate