

Datasheet for ABIN7159096  
**anti-MDC1 antibody (AA 1892-2082)**



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2 Images

## Overview

Quantity:	100 µg
Target:	MDC1
Binding Specificity:	AA 1892-2082
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MDC1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Mediator of DNA damage checkpoint protein 1 protein (1892-2082AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	MDC1
Alternative Name:	MDC1 ( <a href="#">MDC1 Products</a> )
Background:	Background: Required for checkpoint mediated cell cycle arrest in response to DNA damage within both the S phase and G2/M phases of the cell cycle. May serve as a scaffold for the

## Target Details

recruitment of DNA repair and signal transduction proteins to discrete foci of DNA damage marked by 'Ser-139' phosphorylation of histone H2AFX. Also required for downstream events subsequent to the recruitment of these proteins. These include phosphorylation and activation of the ATM, CHEK1 and CHEK2 kinases, and stabilization of TP53 and apoptosis. ATM and CHEK2 may also be activated independently by a parallel pathway mediated by TP53BP1.

Aliases: Homologue to Drosophila photoreceptor protein calphotin antibody, MDC 1 antibody, Mdc1 antibody, MDC1\_HUMAN antibody, Mediation of DNA damage checkpoint 1 antibody, Mediator of DNA damage checkpoint 1 antibody, Mediator of DNA damage checkpoint protein 1 antibody, NFBD 1 antibody, NFBD1 antibody, Nuclear factor with BRCT domains 1 antibody, Nuclear Factor with BRCT Domains Protein 1 antibody

UniProt: [Q14676](#)

## Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

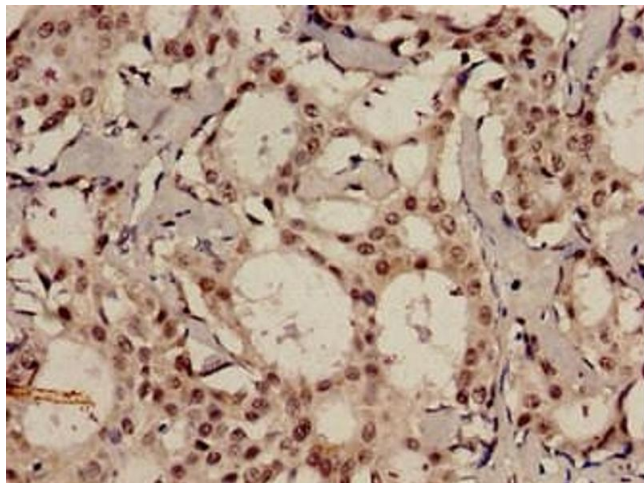
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

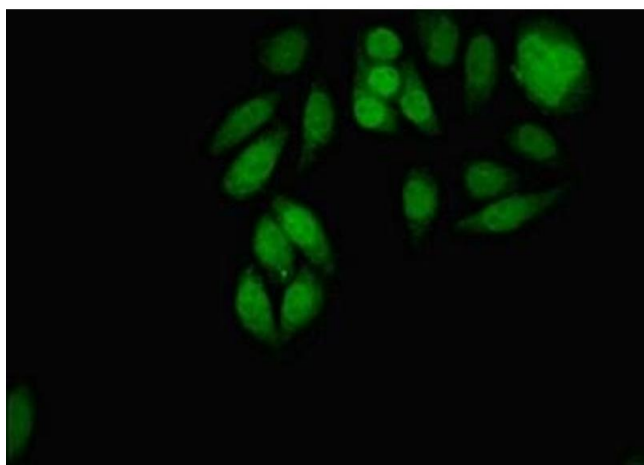
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of human breast cancer using ABIN7159096 at dilution of 1:100



#### Immunofluorescence

**Image 2.** Immunofluorescent analysis of A549 cells using ABIN7159096 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)