

Anti-MDC1 Antibody Biotin Conjugated

Catalog Number: A01252-2-Biotin

About MDC1

Mediator of DNA damage checkpoint protein 1 is a 2080 amino acid long protein that in humans is encoded by the MDC1 gene. The protein encoded by this gene contains an N-terminal forkhead domain, two BRCA1 C-terminal (BRCT) motifs and a central domain with 13 repetitions of an approximately 41-amino acid sequence. The encoded protein is required to activate the intra-S phase and G2/M phase cell cycle checkpoints in response to DNA damage. This nuclear protein interacts with phosphorylated histone H2AX near sites of DNA double-strand breaks through its BRCT motifs, and facilitates recruitment of the ATM kinase and meiotic recombination 11 protein complex to DNA damage foci.

Overview

Product Name	Anti-MDC1 Antibody Biotin Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q14676

Technical Details

Immunogen	E. coli-derived human MDC1 recombinant protein (Position: A534-Q626).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

1 Publications Citing This Product

1. PubMed ID: 22082565, Chen D, Hu Q, Mao C, Jiao Z, Wang S, Yu L, Xu Y, Dai D, Yin L, Xu H. Cell Immunol. 2012;272(2):166-74. Doi: 10.1016/J.Cellimm.2011.10.015. Epub 2011 Oct 28. Increased IL-17-Producing CD4(+) T Cells In Patients With Esophageal Cancer.

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