

## Datasheet

### MDC1 polyclonal antibody

**Catalog Number:** PAB10074

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against synthetic peptide of MDC1.

**Immunogen:** A synthetic peptide corresponding to amino acids 679-694 of human MDC1.

**Host:** Rabbit

**Reactivity:** Human

**Applications:** ELISA, WB

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Recommend Usage:** ELISA (1:3000-1:12000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In 20 mM KH<sub>2</sub>PO<sub>4</sub>, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

**Storage Instruction:** Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 9656

**Gene Symbol:** MDC1

**Gene Alias:** DKFZp781A0122, KIAA0170, MGC166888, NFBD1

**Gene Summary:** 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. [provided by RefSeq]