MDC1 polyclonal antibody

Catalog # PAB10074 Size 100 ug

Specification

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
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:3000-1:12000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 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.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

Gene Info — MDC1

Entrez GeneID	9656

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Gene Name	MDC1
Gene Alias	DKFZp781A0122, KIAA0170, MGC166888, NFBD1
Gene Description	mediator of DNA damage checkpoint 1
Omim ID	607593
Gene Ontology	Hyperlink
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
Other Designations	OTTHUMP00000029090|homologue to Drosophila photoreceptor protein calphotin|nuclear factor with BRCT domains 1

Disease

- Abortion
- Adenocarcinoma
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Pancreatic Neoplasms
- Prostate cancer
- Prostatic Neoplasms

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