bs-18742R **[Primary Antibody]**

phospho-MDC1 (Thr4) Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9656 **SWISS:** Q14676

Target: MDC1 (Thr4)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human MCSF Receptor around the phosphorylation site of Thr4: ED(p-T)QA.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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].

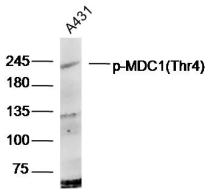
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 227 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample:A431(Human)Cell Lysate at 40 ug
Primary: Anti-p-MDC1(Thr4)(bs-18742R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 227kD Observed band size: 227kD

SELECTED CITATIONS

- **[IF=8.679]** Jing Jin. et al. Copper enhances genotoxic drug resistance via ATOX1 activated DNA damage repair. Cancer Lett. 2022 Jun;536:215651 IF ;Human. 35315340