BT LAB
Bioassay Technology Laboratory
*Optimize Your Research*

# MDC1(Phospho Ser513) Polyclonal Antibody

## Description

| | |
|---|---|
| **Product type** | Primary Antibody |
| **Code** | BT-AP11194 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Size** | 20ul, 50ul, 100ul |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human MDC1 around the phosphorylation site of Ser513. AA range:479-528 |
| **Mol wt** | 226666 |
| **Species reactivity** | Human, Rat, Mouse |
| **Clonality** | Polyclonal |
| **Recommended application** | IHC-p, IF, ELISA |
| **Concentration** | 1 mg/ml |
| **Full name** | Mediator of DNA damage checkpoint protein 1 |
| **Synonyms** | Mediator of DNA damage checkpoint protein 1; MDC1; KIAA0170; NFBD1; Mediator of DNA damage checkpoint protein 1; Nuclear factor with BRCT domains 1 |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

## 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.

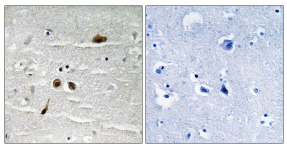
## Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

## Images



Immunohistochemistry analysis of paraffin-embedded human brain, using MDC1 (Phospho-Ser513) Antibody. The picture on the right is blocked with the phospho peptide.

## Storage

-20°C for 1 year

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