

MDC1 antibody

Product Information

Catalog No.:	FNab05072
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (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.

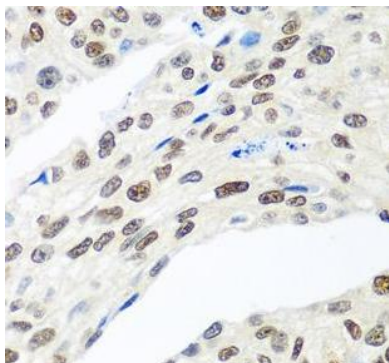
Immunogen information

Immunogen:	mediator of DNA damage checkpoint 1
Synonyms:	Mediator of DNA damage checkpoint protein 1 Nuclear factor with BRCT domains 1 MDC1 KIAA0170 NFBD1
Observed MW:	270 kDa
Uniprot ID :	Q14676

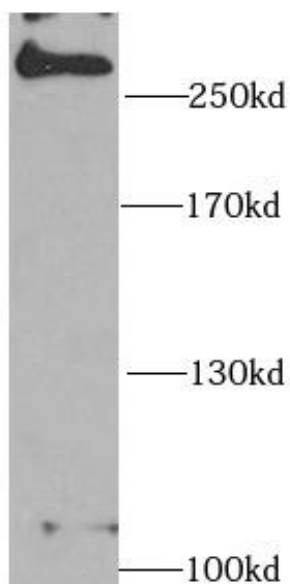
Application

Reactivity:	Human
Tested Application:	ELISA, IHC, WB
Recommended dilution:	WB: 1:500 - 1:2000; IHC: 1:100 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab05072(MDC1 Antibody) at dilution of 1:100



HeLa cells were subjected to SDS PAGE followed by western blot with FNab05072(MDC1 antibody) at dilution of 1:1000