MDC1 Rabbit Polyclonal Antibody

Catalog No: #55491

Package Size: #55491-1 50ul #55491-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

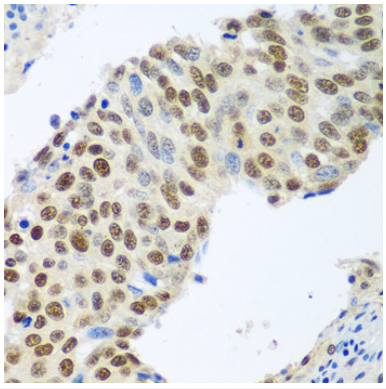
Description

Product Name	MDC1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human
Immunogen Description	Recombinant fusion protein of human MDC1 (NP_055456.2).
Conjugates	Unconjugated
Other Names	MDC1;NFBD1
Accession No.	Swiss Prot:Q14676GeneID:9656
Calculated MW	116kDa/195kDa/197kDa/226kDa
SDS-PAGE MW	270kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

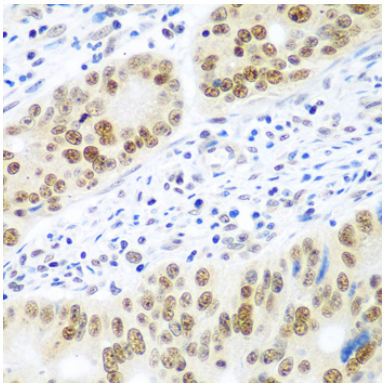
Application Details

WB□1:500 - 1:2000IHC□1:100 - 1:200IF□1:50 - 1:200

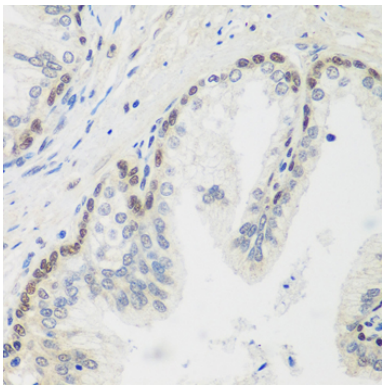
Images



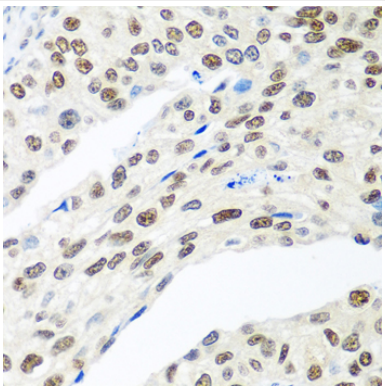
Immunohistochemistry of paraffin-embedded human lung cancer using MDC1 at dilution of 1:100 (40x lens).



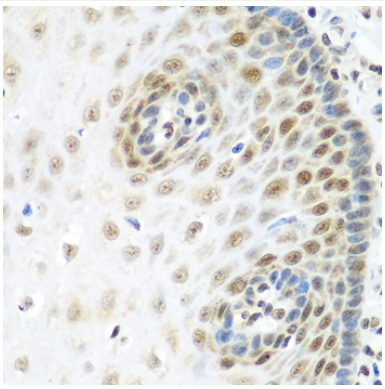
Immunohistochemistry of paraffin-embedded human colon carcinoma using MDC1 at dilution of 1:100 (40x lens).



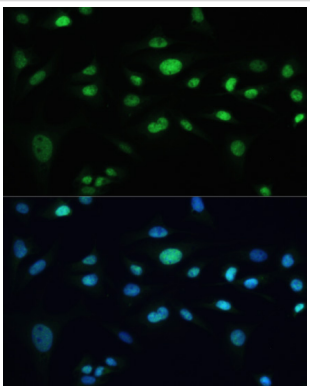
Immunohistochemistry of paraffin-embedded human prostate using MDC1 at dilution of 1:100 (40x lens).



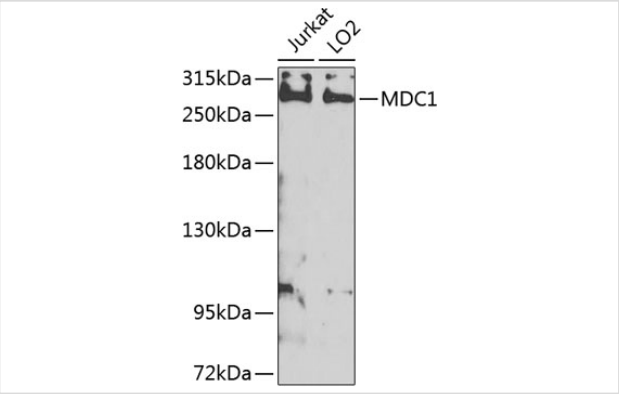
Immunohistochemistry of paraffin-embedded human prostate cancer using MDC1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophagus using MDC1 at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U-2 OS cells using MDC1 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using MDC1 at 1:1000 dilution._Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution._Lysates/proteins: 25ug per lane._Blocking buffer: 3% nonfat dry milk in TBST._Detection: ECL Enhanced Kit (RM00021)._Exposure time: 5s.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.