

IHC*easy* MDC1 Ready-To-Use IHC Kit

Catalog Number: **KHC2462**

General Information

Sample type:
FFPE tissue
Cited sample type:
Reactivity:
Human
Cited Reactivity:

Assay type:
Immunohistochemistry
Primary antibody type:
Rabbit Polyclonal
Secondary antibody type:
Polymer-HRP-Goat anti-Rabbit

Kit Component

Component	Size	Concentration
Antigen Retrieval Buffer	100 mL	50×
Washing Buffer	100 mL ×2	20×
Blocking Buffer	5 mL	RTU
Primary Antibody	5 mL	RTU
Secondary Antibody	5 mL	RTU
Chromogen Component A	0.2 mL	RTU
Chromogen Component B	4 mL	RTU
Signal Enhancer	5 mL	RTU
Counter Staining Reagent	5 mL	RTU
Mounting Media	5 mL	RTU
Control Slide	1 slide (Optional)	FFPE
Datasheet	1 Copy	
Manual	1 Copy	

Storage Instructions

All the reagents are stored at 2-8°C. The kit is stable for 6 months from the date of receipt.

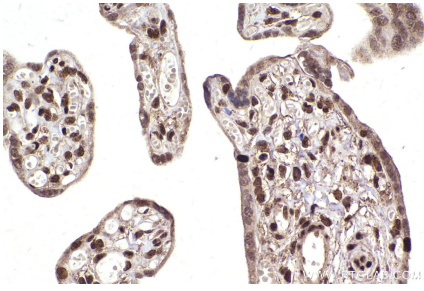
Background

MDC1, also named as KIAA0170 or NFBD1, is a 2089 amino acid protein, which contains two BRCT domains and one FHA domain. MDC1 localizes in the nucleus and is highly expressed in testis. MDC1 is required for checkpoint mediated cell cycle arrest in response to DNA damage within both the S phase and G2/M phases of the cell cycle. MDC1 may serve as a scaffold for the recruitment of DNA repair and signal transduction proteins to discrete foci of DNA damage marked.

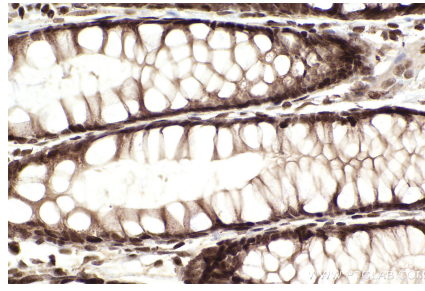
Synonyms

MDC1, MDC 1, NFBD 1, NFBD1

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using KHC2462 (MDC1 IHC Kit).



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using KHC2462 (MDC1 IHC Kit).