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Product datasheet for UM500037CF

XRCC1 Mouse Monoclonal Antibody [Clone ID: UMAB40]

Product data:

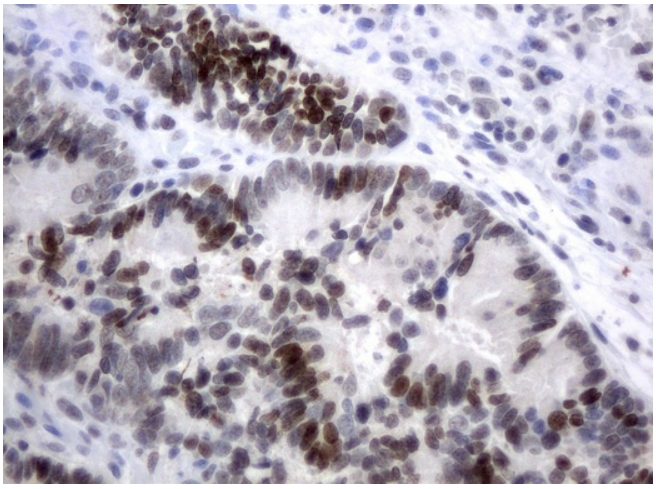
Product Type:	Primary Antibodies
Clone Name:	UMAB40
Applications:	10k-ChIP, IF, IHC, WB
Recommended Dilution:	IHC: 1:50, IF 1:100
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human XRCC1 (NP_006288) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69.5 kDa
Gene Name:	X-ray repair cross complementing 1
Database Link:	NP_006288 Entrez Gene 22594 MouseEntrez Gene 84495 RatEntrez Gene 711457 MonkeyEntrez Gene 7515 Human P18887
Synonyms:	RCC

View online »

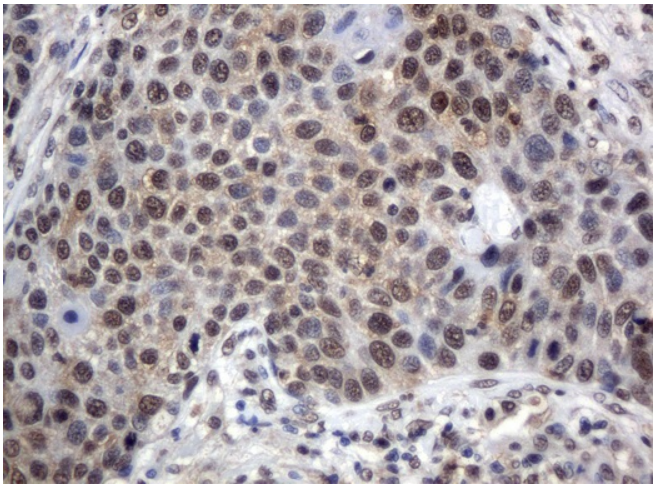
Protein Families: Druggable Genome

Protein Pathways: Base excision repair

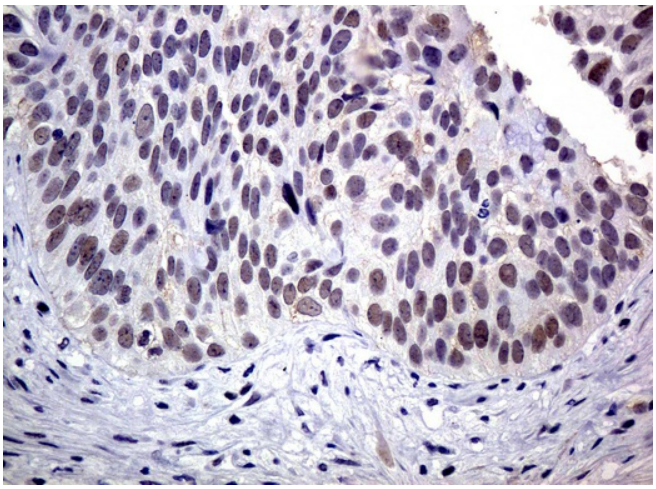
Product images:



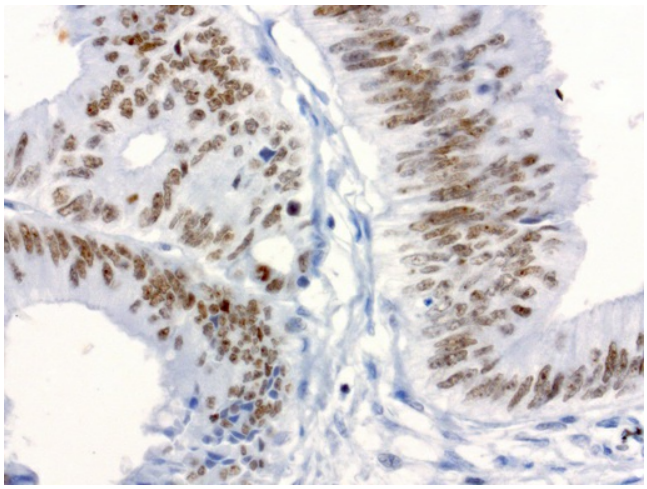
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-XRCC1 mouse monoclonal antibody. ([UM500037], dilution 1:50; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



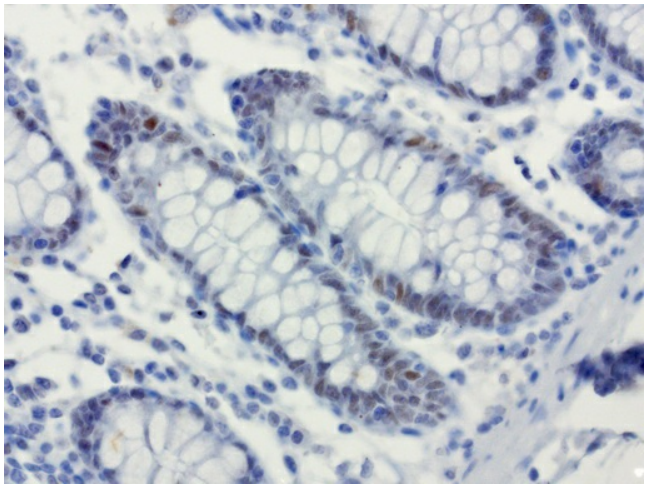
Immunohistochemical staining of paraffin-embedded Carcinoma of lung tissue using anti-XRCC1 mouse monoclonal antibody. ([UM500037], dilution 1:50; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



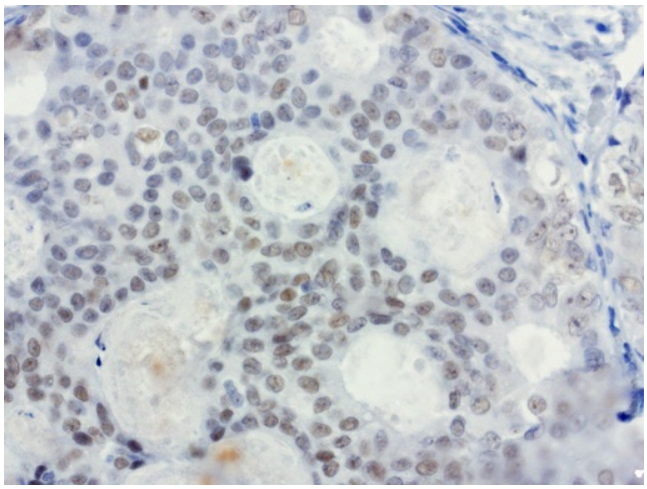
Immunohistochemical staining of paraffin-embedded Carcinoma of bladder tissue using anti-XRCC1 mouse monoclonal antibody. ([UM500037], dilution 1:50; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



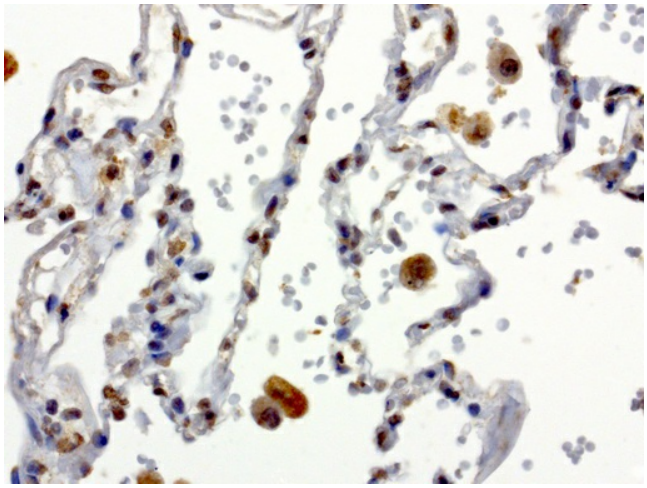
Immunohistochemical staining of paraffin-embedded human colon carcinoma using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI Accel pH8.7 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in tumor cells.



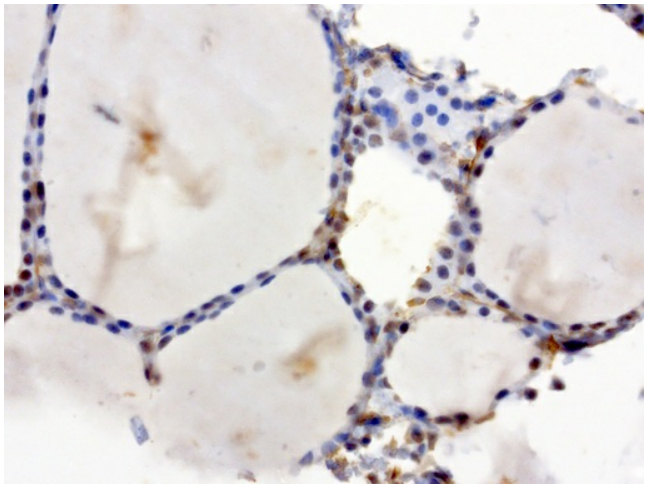
Immunohistochemical staining of paraffin-embedded human colon using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI Accel pH8.7 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in epithelial cells.



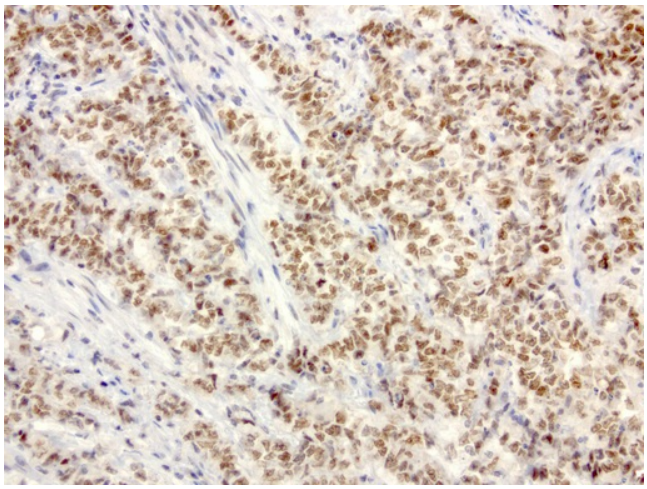
Immunohistochemical staining of paraffin-embedded human breast carcinoma using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI Accel pH8.7 HIER buffer using pressure chamber for 3 minutes at 110C. Weak nuclear staining is seen in tumor cells.



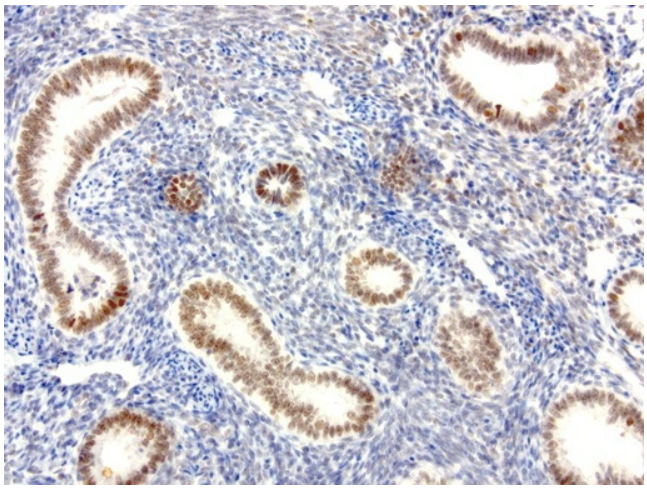
Immunohistochemical staining of paraffin-embedded human lung using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in epithelial cells.



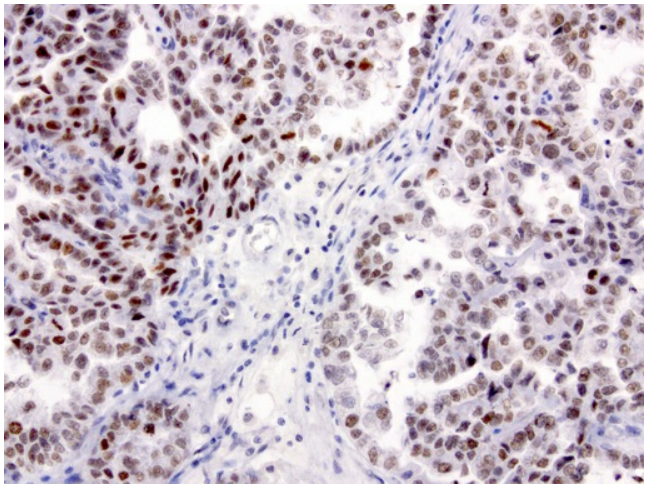
Immunohistochemical staining of paraffin-embedded human thyroid using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in epithelial cells.



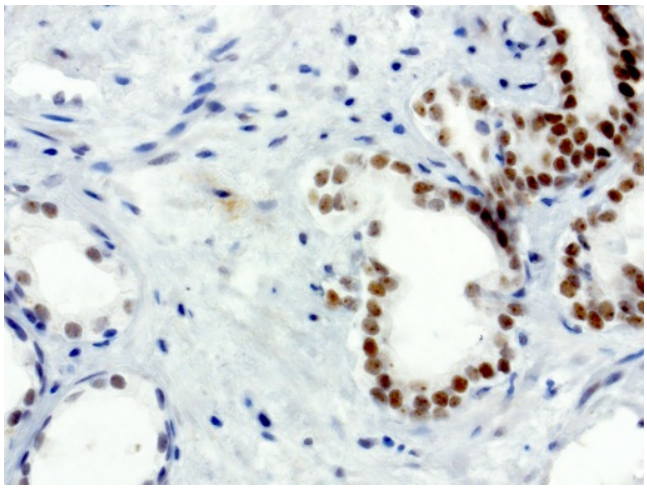
Immunohistochemical staining of paraffin-embedded human endometrial carcinoma using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in tumor cells.



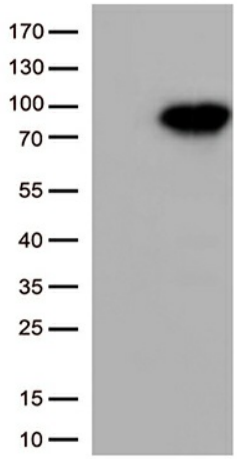
Immunohistochemical staining of paraffin-embedded human endometrium using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in epithelial cells.



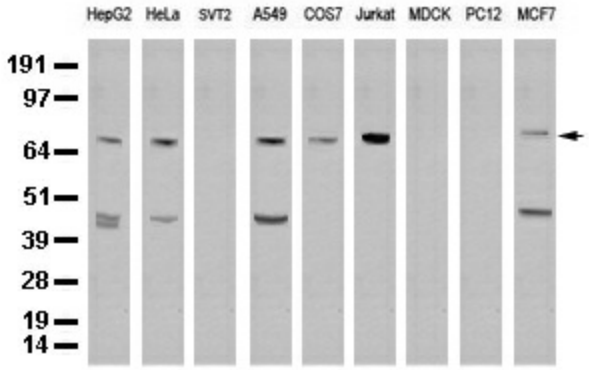
Immunohistochemical staining of paraffin-embedded human ovarian carcinoma using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in tumor cells.



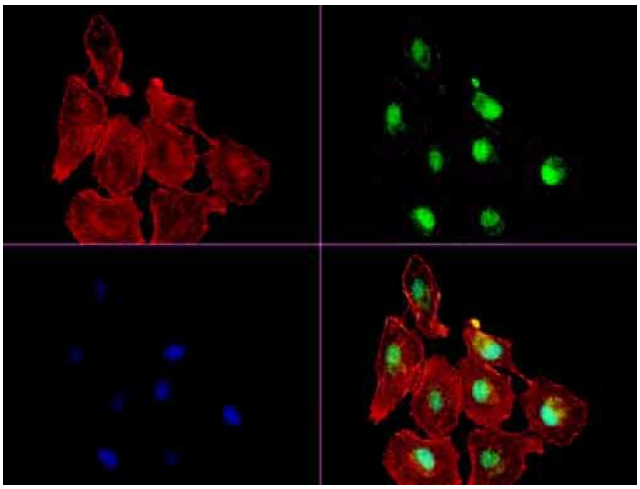
Immunohistochemical staining of paraffin-embedded human prostate carcinoma using anti-XRCC1 clone UMAB40 mouse monoclonal antibody ([UM500037]) at 1:50 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI TEE pH9.0 HIER buffer using pressure chamber for 3 minutes at 110C. Nuclear staining is seen in tumor cells.



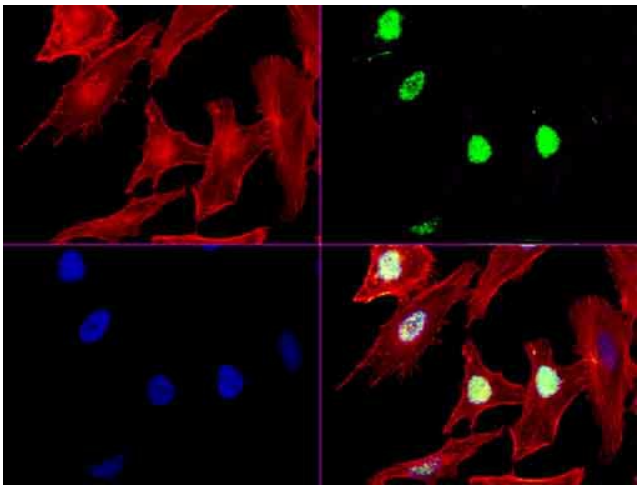
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY XRCC1 ([RC204952], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-XRCC1 (1:1000).



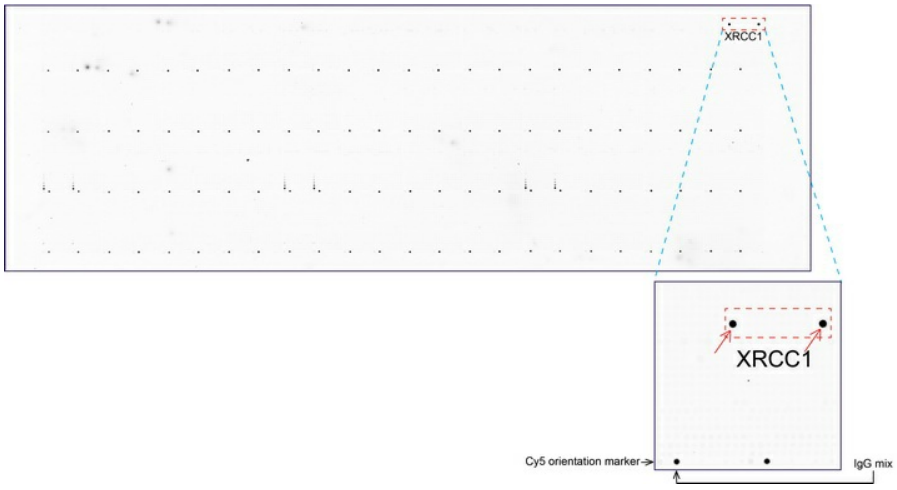
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-XRCC1 monoclonal antibody (Clone UMAB40) at 1:500.



Immunofluorescent staining of A549 cells using anti-XRCC1 mouse monoclonal antibody ([UM500037], green). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue). The three-color overlay image is located at the bottom-right corner.



Immunofluorescent staining of HeLa cells using anti-XRCC1 mouse monoclonal antibody ([UM500037], green). Actin filaments were labeled with TRITC-phalloidin (red), and nuclear with DAPI (blue). The three-color overlay image is located at the bottom-right corner.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-XRCC1 mouse monoclonal antibody ([UM500037]). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification. These data show that UltraMAB anti-XRCC1 (Clone UMAB37) very specifically recognizes XRCC1 antigen on OriGene protein microarray chip.