

Product Data Sheet

Anti-MLH1 Antibody

Catalog #	Source	Reactivity	Applications
CPA9644	Mouse	H	WB, IH, IF
Description	Mouse monoclonal antibody to MLH1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human MLH1. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MLH1 protein.		
Clonality	Monoclonal		
Conjugation			
Form	Mouse IgG1. Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/300), IF (1/100 - 1/500)		
Gene Symbol	MLH1		
Alternative Names	COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1		
Entrez Gene	4292 (Human)		
SwissProt	P40692 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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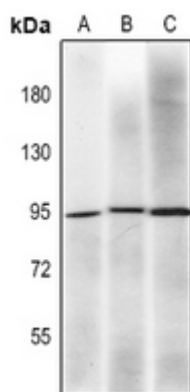
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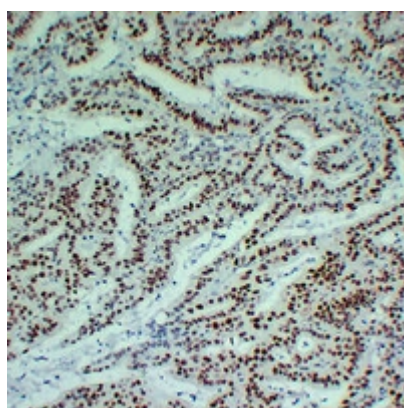
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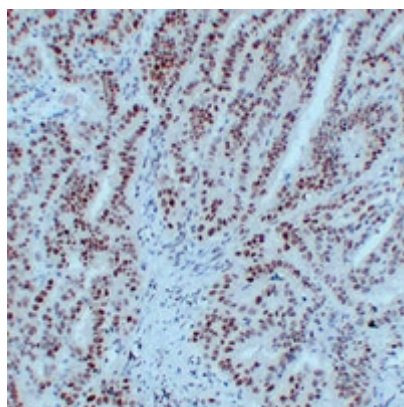
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Western blot analysis of MLH1 expression in K562 (A), HEK293 (B), Hela (C) whole cell lysates. (Predicted band size: 84 kD; Observed band size: 88 kD)



Immunohistochemical analysis of MLH1 staining in human colon carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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