For research purposes only, not for human use

Product Data Sheet

Anti-MSH2 Antibody

Catalog #	Source	Reactivity	Applications
CPA5183	Rabbit	H, M, R, D, Mk	WB, IH, IF/IC

Description	Rabbit polyclonal antibody to MSH2
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MSH2. The exact sequence is proprietary.
Purification	The antibody was purified by affinity chromatography.
Specificity	Recognizes endogenous levels of MSH2 protein.
Clonality	Polyclonal
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)
Gene Symbol	MSH2
Alternative Names	DNA mismatch repair protein Msh2; hMSH2; MutS protein homolog 2
Entrez Gene	4436 (Human);17685 (Mouse);81709 (Rat)
SwissProt	P43246 (Human);P43247 (Mouse);P54275 (Rat)
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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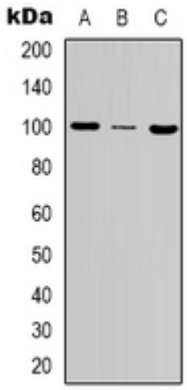
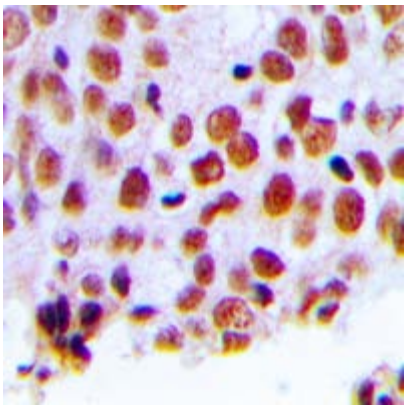
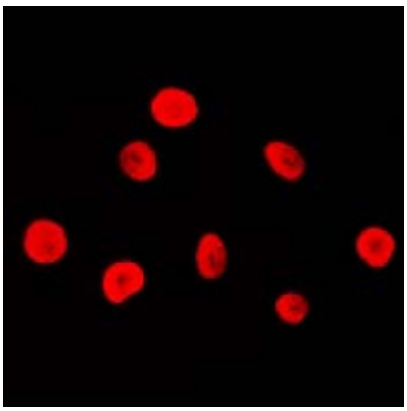


Western blot analysis of MSH2 expression in Hela (A), A431 (B), NIH3T3 (C) whole cell lysates.



Immunohistochemical analysis of MSH2 staining in human breast cancer 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 conjugacompact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MSH2 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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