

## MLH1 (4C1) MOUSE MAB

**Cat.#:** N261176

**Product Name:** Anti-MLH1 (4C1) Mouse Monoclonal Antibody

**Synonyms:** MLH1; COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1

**UNIPROT ID:** P40692

**Background:** This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human homolog of the E. coli DNA mismatch repair gene mutL, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Alternatively spliced transcript variants encoding different isoforms have been described, but their full-length natures have not been determined.

**Immunogen:** Purified recombinant fragment of MLH1 (aa381-483) expressed in E. Coli.

**Applications:** WB, ICC/IF

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200

**Host Species:** Mouse

**Clonality:** Mouse Monoclonal

**Clone ID:** 4C1-D9-C7

**MW:** Calculated MW: 85 kDa; Observed MW: 85 kDa

**Isotype:** IgG1

**Purification:** Ascitic Fluid

**Species Reactivity:** Human, Monkey

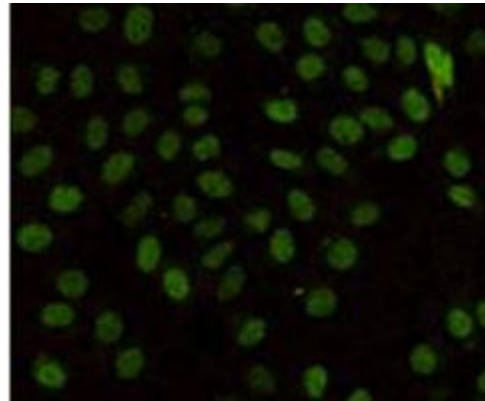
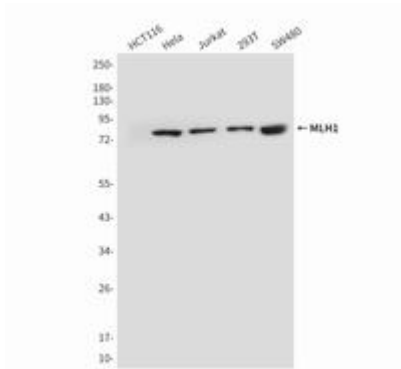
**Conjugation:** Unconjugated

**Modification:** Unmodified

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

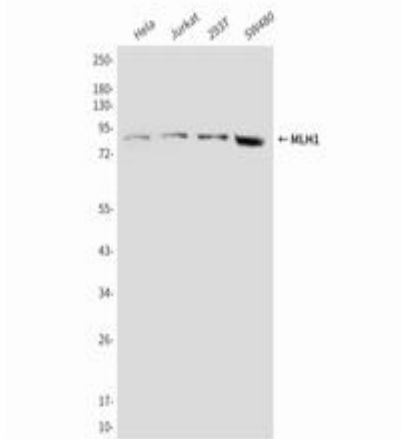
**Research Areas:** Epigenetics and Nuclear Signaling

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of MLH1 (4C1) in SW48, 293T, Jurkat and HeLa lysates using MLH1 (4C1) antibody

Immunocytochemistry analysis of MLH1 (4C1) in HeLa cells using MLH1 (4C1) antibody.



Western blot analysis of MLH1 (4C1) in HeLa, Jurkat, 293T and SW480 lysates using MLH1 (4C1) antibody