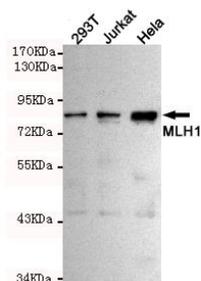


**MLH1****Mouse monoclonal Antibody****#53343****Catalog Number:** 53343**Amount:** 100µg/100µl**Swiss-Prot No. :** P40692**Gene name:** mlh1**Gene id:** 4292**Clone Number:** 2B3-H6-C11**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human MLH1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of MLH1 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 85kd WB: 1:500

Western blot detection of MLH1 in HeLa, 293T and Jurkat cell lysates using MLH1 mouse mAb (1:500 diluted). Predicted band size: 85KDa. Observed band size: 85KDa.

**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. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described, but their full-length natures have not been determined.