



MSH2

Mouse monoclonal Antibody

#53610

Catalog Number: 53610

Amount: 100µg/100µl

Swiss-Prot No. : P43246

Gene name: msh2

Gene id: 4436

Clone Number: 4G5-E11-D9

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

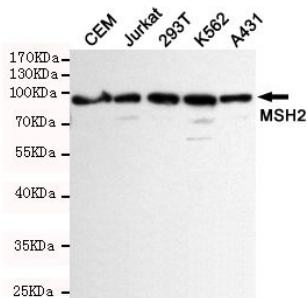
Immunogen: Purified recombinant human MSH2 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of MSH2 and does not cross-react with related proteins

Reactivity: Human

Applications: Predicted MW: 100kd WB: 1:1000



Western blot detection of MSH2 in K562, CEM, Jurkat, 293T and A431 cell lysates using MSH2 mouse mAb (1:1000 diluted). Predicted band size: 100 kDa. Observed band size: 100 kDa.

Background:

This locus is frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene.