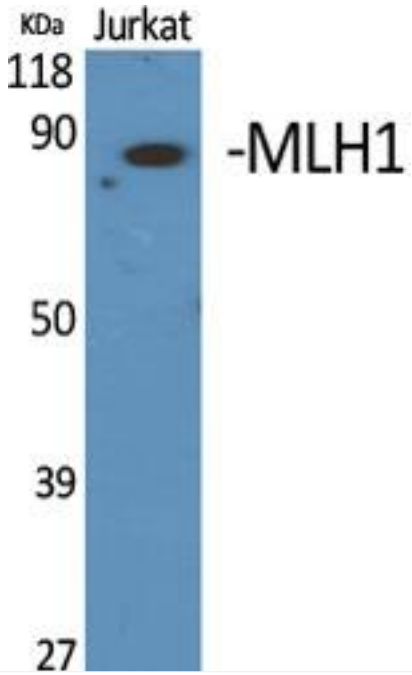
MLH1 Monoclonal Antibody

Catalog No	YP-mAb-00450
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MLH1
Protein Name	DNA mismatch repair protein Mlh1
Immunogen	The antiserum was produced against synthesized peptide derived from human MLH1. AA range:441-490
Specificity	MLH1 Monoclonal Antibody detects endogenous levels of MLH1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MLH1; COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1
Observed Band	85kD
Cell Pathway	Nucleus . Chromosome . Recruited to chromatin in a MCM9-dependent manner. .
Tissue Specificity	Colon, lymphocytes, breast, lung, spleen, testis, prostate, thyroid, gall bladder and heart.
Function	disease:Defects in MLH1 are a cause of Muir-Torre syndrome (MTS) [MIM:158320]. MTS is a rare autosomal dominant disorder characterized by sebaceous neoplasms and visceral malignancy.,disease:Defects in MLH1 are a cause of susceptibility to endometrial cancer [MIM:608089].,disease:Defects in MLH1 are a cause of Turcot syndrome [MIM:276300]; also called mismatch repair cancer syndrome (MMRCS). Turcot syndrome is an autosomal dominant disorder characterized by malignant tumors of the brain associated with multiple colorectal adenomas. Skin features include sebaceous cysts, hyperpigmented and cafe au lait spots.,disease:Defects in MLH1 are the cause of hereditary non-polyposis colorectal cancer type 2 (HNPCC2) [MIM:609310]. Mutations in more than one gene locus can be involved alone or in combination in the production of the HNPCC phenotype (also called Lynch syndrome). Most families with cl
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.[provided by RefSeq, Nov 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MLH1 Monoclonal Antibody