Product Name: MLH1 Rabbit Polyclonal Antibody
Catalog #: APRab13947
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	85kDa

Antigen Information

Gene Name	MLH1
Alternative Names	MLH1; COCA2; DNA mismatch repair protein Mlh1; MutL protein homolog 1
Gene ID	4292.0
SwissProt ID	P40692
Immunogen	The antiserum was produced against synthesized peptide derived from human MLH1. AA range:441-490

Background

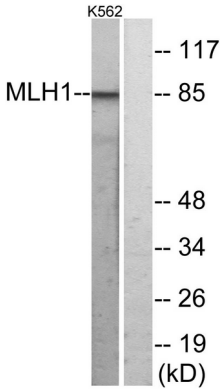
This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). It is a human

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],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.

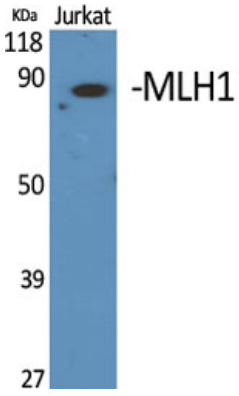
Research Area

Mismatch repair;Pathways in cancer;Colorectal cancer;Endometrial cancer;

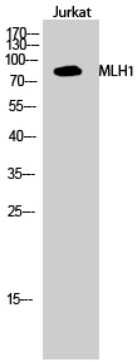
Image Data



Western blot analysis of lysates from K562 cells, using MLH1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MLH1 Polyclonal Antibody.



Western Blot analysis of Jurkat cells using MLH1 Polyclonal Antibody.