

Nur für Forschungszwecke

MLH1 Polyklonaler Antikörper

Katalog-Nr.:11697-1-AP

Vorgestelltes Produkt

20 Publikationen



Allgemeine Informationen

Katalog-Nr.:
11697-1-AP

Größe:
150ul , Konzentration: 700 µg/ml von Nanodrop und 453 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG2319

GenBank-Zugangsnummer:
BC006850

GeneID (NCBI):
4292

Vollständiger Name:
mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)

Berechnete Masse:
756 aa, 85 kDa

Beobachtete Masse:
85 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Zebrafisch

Positivkontrollen:

WB : A431-Zellen, HEK-293-Zellen, HeLa-Zellen, humanes Hodengewebe, Jurkat-Zellen

IP : HeLa-Zellen,

IF : HeLa-Zellen,

Hintergrundinformationen

MLH1, also named as COCA2, belongs to the DNA mismatch repair mutL/hexB family. It heterodimerizes with PMS2 to form MutL alpha which is a component of the post-replicative DNA mismatch repair system (MMR). MutL alpha (MLH1-PMS2) interacts physically with the clamp loader subunits of DNA polymerase III, suggesting that it may play a role to recruit the DNA polymerase III to the site of the MMR. MLH1 also implicated in DNA damage signaling, a process which induces cell cycle arrest and can lead to apoptosis in case of major DNA damages. MLH1 heterodimerizes with MLH3 to form MutL gamma which plays a role in meiosis. (PMID: 16873062, PMID: 18206974) Defects in MLH1 are the cause of hereditary non-polyposis colorectal cancer type 2 (HNPCC2). Defects in MLH1 are a cause of mismatch repair cancer syndrome (MMRCS). Defects in MLH1 are a cause of Muir-Torre syndrome (MTS). Defects in MLH1 are a cause of susceptibility to endometrial cancer. Western blot analysis with an MLH1 antibody detected a 85-100 kDa band. Full-length human MLH1 is specifically cleaved into degradation products of 40-45 kDa by caspase-3 (PMID: 15087450, PMID: 19603033). This antibody is specific to MLH1.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xuting Ran	35664732	Front Oncol	IHC
Jun Zhu	32396667	J Surg Oncol	IHC
Dazhang Bai	33949657	Hum Mol Genet	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

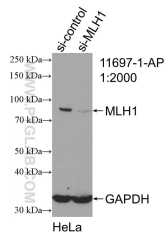
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

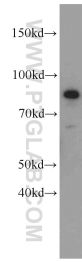
E: proteintech@ptglab.com
W: ptglab.com

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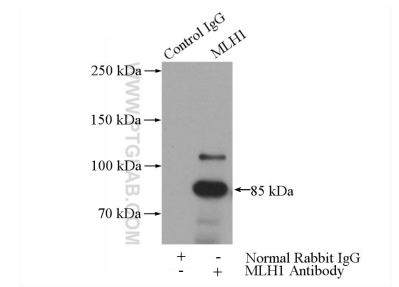
Ausgewählte Validierungsdaten



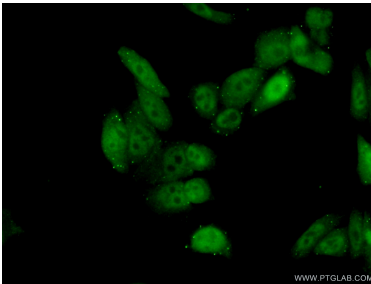
WB result of MLH1 antibody (11697-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MLH1 transfected HeLa cells.



A431 cells were subjected to SDS PAGE followed by western blot with 11697-1-AP (MLH1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-MLH1 (IP:11697-1-AP, 3ug; Detection:11697-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 11697-1-AP (MLH1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).