

Allgemeine Informationen

Katalog-Nr.: 66075-1-Ig	GenBank-Zugangsnummer: BC093921	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 2700 µg/ml von5395 Nanodrop und 1580 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	CloneNo.: 1G4E6
Wirt: Maus	Berechnete Masse: 862 aa, 96 kDa	Empfohlene Verdünnungen: WB 1:500-1:2000
Isotyp: IgG2a	Beobachtete Masse: 100 kDa	
Immunogen Katalognummer: AG12661		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : A431-Zellen, HeLa-Zellen
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Hund, Maus	

Hintergrundinformationen

PMS2, also named as PMSL2, belongs to the DNA mismatch repair mutL/hexB family. It is a component of the post-replicative DNA mismatch repair system (MMR). It heterodimerizes with MLH1 to form MutL alpha. 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. It also implicated in DNA damage signaling, a process which induces cell cycle arrest and can lead to apoptosis in case of major DNA damages. (PMID: 16873062, PMID: 18206974) Defects in PMS2 are the cause of hereditary non-polyposis colorectal cancer type 4 (HNPCC4). Defects in PMS2 are a cause of mismatch repair cancer syndrome (MMRCS).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Sakuya Inanaga	34538134	Vet Pathol	IHC
Takashi Minamisaka	35614379	Neuropathology	IHC
Xuting Ran	35664732	Front Oncol	IHC

Lagerung

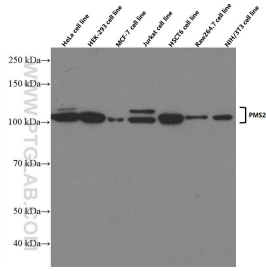
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
 Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

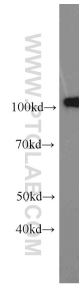
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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Ausgewählte Validierungsdaten



Vairous cells were subjected to SDS PAGE followed by western blot with 66075-1-Ig (PMS2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



A431 cells were subjected to SDS PAGE followed by western blot with 66075-1-Ig (PMS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.