

Allgemeine Informationen

Katalog-Nr.: 18164-1-AP	GenBank-Zugangsnummer: BC093921	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop und 293 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 5395	Empfohlene Verdünnungen: WB 1:500-1:1000
Wirt: Kaninchen	Vollständiger Name: PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	
Isotyp: IgG	Berechnete Masse: 862 aa, 96 kDa	
Immunogen Katalognummer: AG12651	Beobachtete Masse: 117 kDa, 100 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : A431-Zellen, PC-3-Zellen
Getestete Reaktivität: Human, Maus, Ratte	

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). This antibody is specific to PMS2. The calculated molecular weight of PMS2 is 96 kDa, but the modified PMS2 is about 117 kDa.(PMID: 11358834)

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**

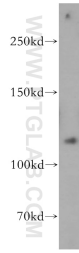
For technical support and original validation data for this product please contact:

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Ausgewählte Validierungsdaten



A431 cells were subjected to SDS PAGE followed by western blot with 18164-1-AP (PMS2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.