

Nur für Forschungszwecke

OGG1 Polyklonaler Antikörper

Katalog-Nr.: 15125-1-AP

Vorgestelltes Produkt

24 Publikationen



Allgemeine Informationen

Katalog-Nr.:

15125-1-AP

Größe:

150ul, Konzentration: 350 µg/ml von Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG7204

GenBank-Zugangsnummer:

BC000657

GeneID (NCBI):

4968

Vollständiger Name:

8-oxoguanine DNA glycosylase

Berechnete Masse:

22 kDa, 36-40 kDa, 45-57 kDa

Beobachtete Masse:

47 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
IP 0.5-4.0 µg für IP und 1:500-1:1000 für WB
IHC 1:20-1:200
IF 1:50-1:500

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: A549-Zellen, HeLa-Zellen, Mausherzgewebe, Maus-Skelettmuskelgewebe, Rattennierengewebe, Ratten-Skelettmuskelgewebe, Transfizierte HEK-293-Zellen

IP: Mausherzgewebe,

IHC: humanes Lebergewebe,

IF: HepG2-Zellen,

Hintergrundinformationen

The DNA damages induced by ROS contain base modification, base loss, and DNA single strand breaks, which are usually repaired by the base excision repair (BER) pathway in both prokaryotes and eukaryotes. OGG1 (The human 8-oxoguanine glycosylase 1) is the primary enzyme in BER pathway, responsible for the excision of 7, 8-dihydro-8-oxoguanine (8-oxoG), a mutagenic base byproduct that occurs as a result of exposure to reactive oxygen species. There's 8 isoforms of OGG1, with calculated MW 22 kDa, 36-40 kDa and 45-57 kDa. The difference among these isoforms is the C-terminal (317-345aa). Our OGG1 antibody detects all the isoforms. We always got the strongest 47 kDa corresponds to isoform Beta in our detection and some weaker bands (with long time exposure). The expression amount of Beta is higher than other isoforms from our data. This antibody has been cited in more than 4 publications, WB and IHC detection in mouse and human.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Zhijian Zheng	36280140	Cell Mol Gastroenterol Hepatol	WB
Jie Fan	36435451	Virology	WB,IF
Rachel Adihe Lokanga	24858908	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

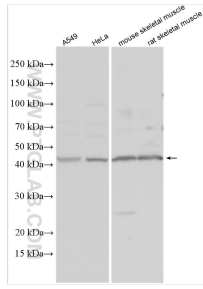
For technical support and original validation data for this product please contact:

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

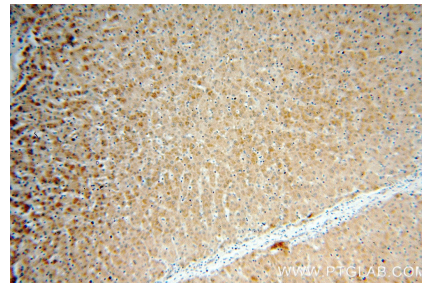
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

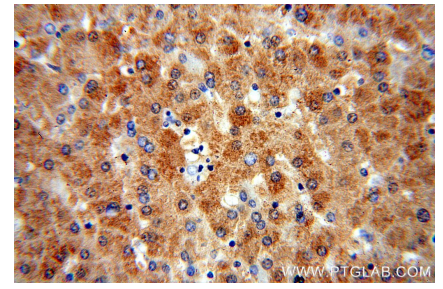
Ausgewählte Validierungsdaten



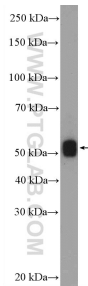
Various lysates were subjected to SDS PAGE followed by western blot with 15125-1-AP (OGG1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



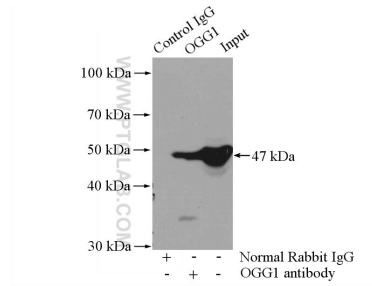
Immunohistochemical analysis of paraffin-embedded human liver using 15125-1-AP (OGG1 antibody) at dilution of 1:100 (under 10x lens).



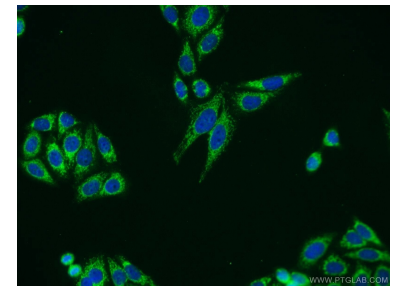
Immunohistochemical analysis of paraffin-embedded human liver using 15125-1-AP (OGG1 antibody) at dilution of 1:100 (under 40x lens).



rat kidney tissue were subjected to SDS PAGE followed by western blot with 15125-1-AP (OGG1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-OGG1 (IP:15125-1-AP, 4ug; Detection:15125-1-AP 1:500) with mouse heart tissue lysate 3200ug.



Immunofluorescent analysis of HepG2 cells using 15125-1-AP (OGG1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).