

Nur für Forschungszwecke

# G6PD Monoklonaler Antikörper

Katalog-Nr.:66373-1-Ig

Vorgestelltes Produkt

7 Publikationen



## Allgemeine Informationen

|  |   |  |
|--|---|--|
| <b>Katalog-Nr.:</b><br>66373-1-Ig  | <b>GenBank-Zugangsnummer:</b><br>BC000337                       | <b>Reinigungsmethode:</b><br>Protein-A-Reinigung   |
| <b>Größe:</b><br>150ul , Konzentration: 2100 µg/ml von2539<br>Nanodrop und 1000 µg/ml durch die<br>Bradford-Methode mit BSA als<br>Standard; | <b>GeneID (NCBI):</b><br>2A7B12                                 | <b>CloneNo.:</b><br>2A7B12   |
| <b>Wirt:</b><br>Maus   | <b>Vollständiger Name:</b><br>glucose-6-phosphate dehydrogenase | <b>Empfohlene Verdünnungen:</b><br>WB 1:5000-1:50000<br>IHC 1:100-1:400<br>IF 1:50-1:200 |
| <b>Isotyp:</b><br>IgG2a  | <b>Berechnete Masse:</b><br>59 kDa                              |  |
| <b>Immunogen Katalognummer:</b><br>AG21862   | <b>Beobachtete Masse:</b><br>60 kDa                             |  |

## Anwendungen

|   |  |
|---|--|
| <b>Geprüfte Anwendungen:</b><br>IF, IHC, WB,ELISA   | <b>Positivkontrollen:</b><br>WB : HepG2-Zellen, HEK-293-Zellen, HeLa-Zellen, L02-Zellen, NIH/3T3-Zellen, Rattenmilzgewebe<br>IHC : humanes Leberkarzinomgewebe,<br>IF : HeLa-Zellen, |
| <b>In Publikationen genannte Anwendungen:</b><br>IF, IHC, IP, WB  |  |
| <b>Getestete Reaktivität:</b><br>Human, Maus, Ratte   |  |
| <b>Zitierte Arten:</b><br>Human, Maus, Ratte  |  |
| <b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b> |  |

## Hintergrundinformationen

G6PD(Glucose-6-phosphate 1-dehydrogenase) belongs to the glucose-6-phosphate dehydrogenase family. It is a housekeeping enzyme encoded in mammals by an X-linked gene. G6PD has important functions in intermediary metabolism because it catalyzes the first step in the pentose phosphate pathway and provides reductive potential in the form of NADPH.(PMID:7489710). This protein has 3 isoforms produced by alternative splicing.

## Bemerkenswerte Veröffentlichungen

| Verfasser      | Pubmed ID | Journal              | Anwendung |
|----------------|-----------|----------------------|-----------|
| Hongshuo Zhang | 33101047  | Front Physiol        | WB        |
| Ramon Martinez | 33109619  | J Pharmacol Exp Ther | WB        |
| Yang Zhang     | 33159852  | Cell Metab           | IHC,IF,IP |

## Lagerung

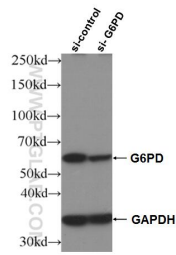
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

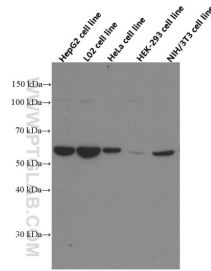
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

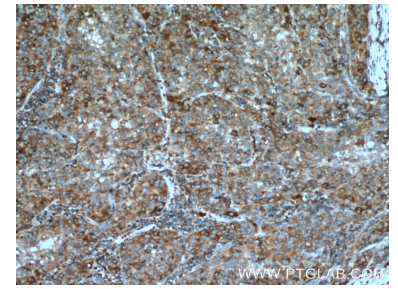
## Ausgewählte Validierungsdaten



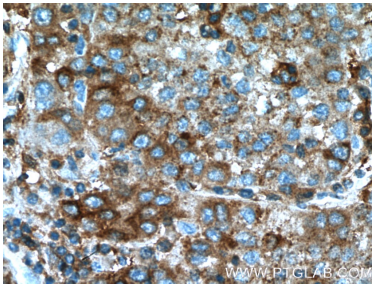
WB result of G6PD antibody (66373-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-G6PD transfected HeLa cells.



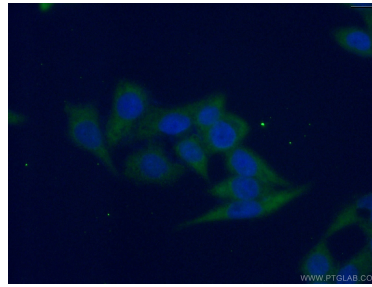
Several cell lines were subjected to SDS PAGE followed by western blot with 66373-1-Ig (G6PD Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66373-1-Ig (G6PD Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66373-1-Ig (G6PD Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol ) fixed HeLa cells using 66373-1-Ig(G6PD antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).