

Nur für Forschungszwecke

# PHGDH Polyklonaler Antikörper

Katalog-Nr.:14719-1-AP

Vorgestelltes Produkt

40 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 14719-1-AP	<b>GenBank-Zugangsnummer:</b> BC000303	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 300 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 26227	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug für IP und 1:5000-1:50000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> phosphoglycerate dehydrogenase	<b>IHC 1:500-1:2000</b> <b>IF 1:50-1:500</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 57 kDa	
<b>Immunogen Katalognummer:</b> AG6445	<b>Beobachtete Masse:</b> 57 kDa	

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

### In Publikationen genannte Anwendungen:

CoIP, IF, IHC, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

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:** HEK-293T-Zellen, HeLa-Zellen, HepG2-Zellen, Maushirngewebe, MCF-7-Zellen, MDA-MB-453s-Zellen, Rattenhirngewebe

**IP:** HeLa-Zellen,

**IHC:** humanes Lymphomgewebe, humanes Mammahyperplasie-Gewebe, Maushirngewebe

**IF:** HeLa-Zellen,

## Hintergrundinformationen

PHGDH(D-3-phosphoglycerate dehydrogenase) is also named as 3-PGDH, PGDH3 and belongs to the D-isomer specific 2-hydroxyacid dehydrogenase family. It catalyzes the transition of 3-phosphoglycerate into 3-phosphohydroxypyruvate, which is the first and rate-limiting step in the phosphorylated pathway of serine biosynthesis, using NAD<sup>+</sup>/NADH as a cofactor. 3-PGDH deficiency is a rare recessive inborn error in the biosynthesis of the amino acid L-serine characterized clinically by congenital microcephaly, psychomotor retardation, and intractable seizures(PMID:19235232).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Shengya Tian	31562192	Life Sci Alliance	WB
Ji Wang	34544857	Proc Natl Acad Sci U S A	WB
R L Yang	32940141	J Dent Res	WB,IF

## 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

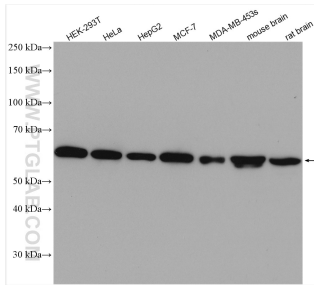
For technical support and original validation data for this product please contact:

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

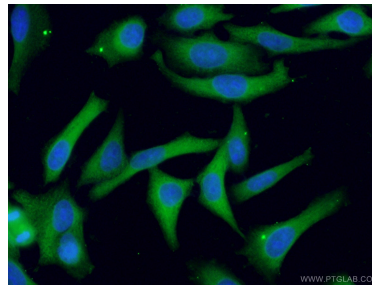
E: proteintech@ptglab.com  
W: ptglab.com

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

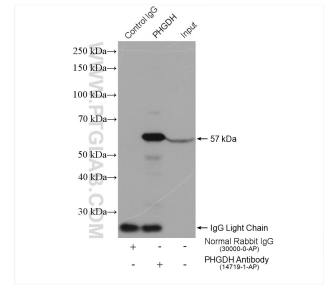
## Ausgewählte Validierungsdaten



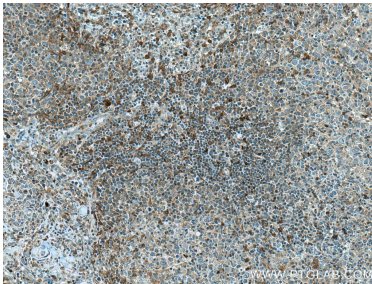
Various lysates were subjected to SDS PAGE followed by western blot with 14719-1-AP (PHGDH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



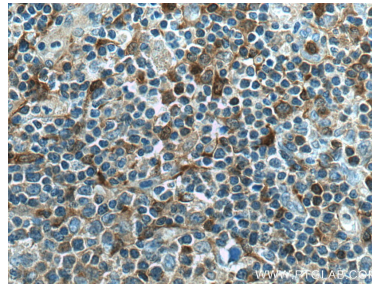
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 14719-1-AP (PHGDH antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-PHGDH(IP:14719-1-AP, 4ug; Detection:14719-1-AP 1:10000) with HeLa cells lysate 1880 ug.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 14719-1-AP (PHGDH antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 14719-1-AP (PHGDH antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).