

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PHGDH



Numéro de catalogue: 14719-1-AP

Phare

42 Publications

Informations de base

Numéro de catalogue: 14719-1-AP	Numéro d'acquisition GenBank: BC000303	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 350 µg/ml by Nanodrop;	Identification du gène (NCBI): 26227	Dilutions recommandées: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:5000-1:50000 for WB IHC 1:500-1:2000 IF 1:50-1:500
Hôte: Lapin	Nom complet: phosphoglycerate dehydrogenase	
Isotype: IgG	MW calculé: 57 kDa	
Immunogen Catalog Number: AG6445	MW observés: 57 kDa	

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

CoIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6.0.

Contrôles positifs:

WB: cellules HEK-293T, cellules HeLa, cellules HepG2, cellules MCF-7, cellules MDA-MB-453s, tissu cérébral de rat, tissu cérébral de souris

IP: cellules HeLa,

IHC: tissu de lymphome humain, tissu cérébral de souris, tissu d'hyperplasie mammaire humain

IF: cellules HeLa,

Informations générales

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⁺/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).

Publications notables

Autrice	Pubmed ID	Journal	Application
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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

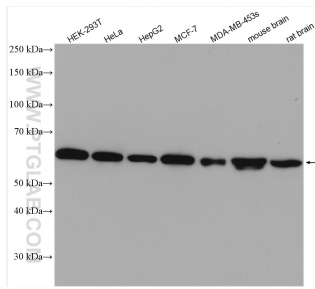
For technical support and original validation data for this product please contact:

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

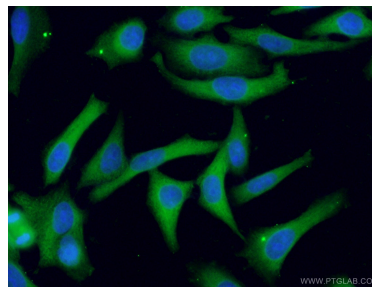
E: proteintech@ptglab.com
W: ptglab.com

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

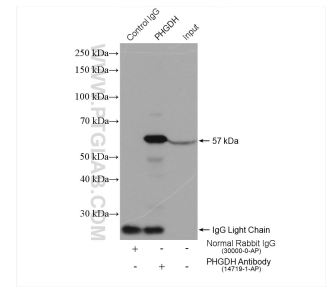
Données de validation sélectionnées



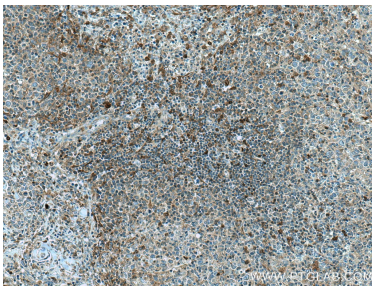
Various lysates were subjected to SDS PAGE followed by western blot with 14719-1-AP (PHGDH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



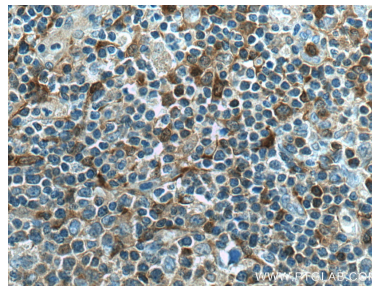
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 14719-1-AP (PHGDH antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).