À des fins de recherche uniquement

# Anticorps Monoclonal anti-GAPDH

Numéro de catalogue:60004-1-Ig 8643 Publications

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Antibodies | ELISA kits | Proteins
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## Informations de base

Numéro de catalogue:
60004-1-Ig

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG0766

Numéro d'acquisition GenBank:
BC004109

Identification du gène (NCBI):
2597

Nom complet:
glyceraldehyde-3-phosphate dehydrogenase

MW calculé
36 kDa

MW observés:
36 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1E6D9

Dilutions recommandées:
WB 1:50000-1:500000
IP 0.5-4.0 ug for IP and 1:2000-1:12000 for WB
IF 1:200-1:2000
FC

## Applications

Applications testées:
FC, IF, IP, WB, ELISA

Demandes citées:
Cell treatment, CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, levure, plante, poisson-zèbre, rat, souris

Espèces citées:
Chèvre, Humain, levure, poulet

Contrôles positifs:

WB : cellules HeLa, cellules 4T1, cellules C2C12, cellules C6, cellules HEK-293, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3, cellules PC-12, cellules ROS1728, cellules Sp2/0, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris, tissu de poisson-zèbre, tissu entier de nématode, tissu végétal entier d'arabidopsis, tissu végétal entier de soja

IP : cellules HeLa,

IF : cellules HeLa traitées à l'acide éthacrynique,

FC : cellules HeLa,

## Informations générales

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) catalyzes the phosphorylation of glyceraldehyde-3-phosphate during glycolysis. GAPDH participates in nuclear events including transcription, binding RNA, RNA transportation, DNA replication, DNA repair and apoptosis. Being stably and constitutively expressed at high levels in most tissues and cells, GAPDH is considered a housekeeping protein. It is widely used as a control for RT-PCR and also loading control in electrophoresis and Western blotting. GAPDH is normally expressed in cellular cytoplasm or membrane, but can occasionally translocate to the nucleus after the addition of post-translational modifications such as S-nitrosylation. This antibody is raised against full length GAPDH of human origin. It can recognize the 36 kDa GAPDH protein in most cells/tissues. In addition, a band below 36 kDa can always be detected as the isoform or spliced product of GAPDH (PMID: 23885286, 23877755, 19368702). Please note that some physiological factors, such as hypoxia and diabetes, increase GAPDH expression in certain cell types. For murine tissue samples, conjugated mouse antibody HRP-60004 and rabbit antibody 10494-1-AP are preferable.

## Publications notables

| Autrice | Pubmed ID | Journal | Application |
|---|---|---|---|
| Qiaoxia Zheng | 36198318 | Cell | WB |
| Xin Shen | 36184549 | Int Heart J | WB |
| Liangmin Fu | 36248876 | Front Immunol | WB |

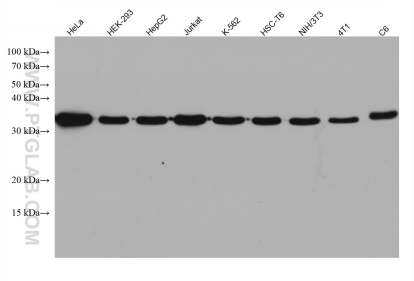
## Stockage

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

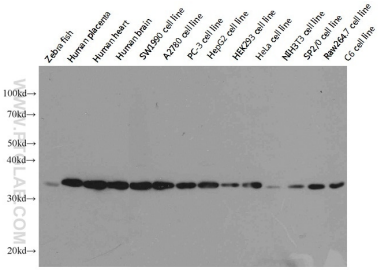
***** Les 20ul contiennent 0,1% de BSA.**

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

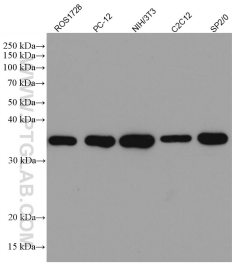
# Données de validation sélectionnées



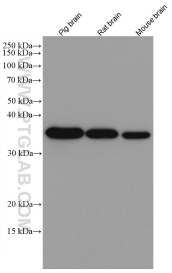

Various lysates were subjected to SDS PAGE followed by western blot with 60004-1-Ig (GAPDH antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



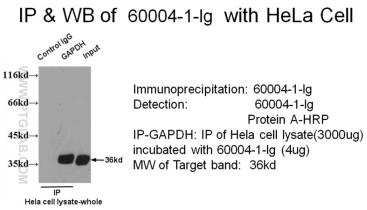

Western blot analysis of GAPDH in various tissues and cell lines using Proteintech antibody 60004-1-Ig at a dilution of 1:10000.



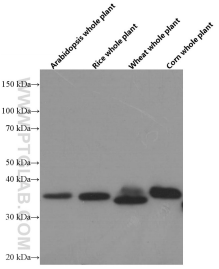

Various lysates were subjected to SDS PAGE followed by western blot with 60004-1-Ig (GAPDH antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



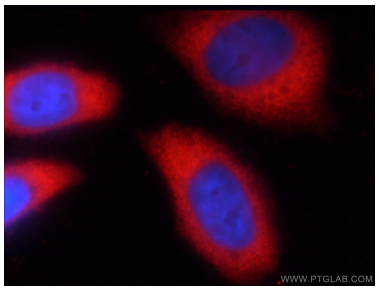

Various lysates were subjected to SDS PAGE followed by western blot with 60004-1-Ig (GAPDH antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



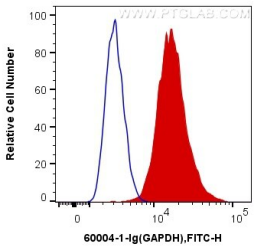

IP result of anti-GAPDH (60004-1-Ig for IP and Detection) with HeLa cell lysate.




arabidopsis, rice, wheat, corn whole plant tissue were subjected to SDS PAGE followed by western blot with 60004-1-Ig (GAPDH Antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.




Immunofluorescent analysis of EA treated HeLa cells using 60004-1-Ig(GAPDH antibody) at dilution of 1:50 and Rhodamine-labeled goat anti-mouse IgG (red).




1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human GAPDH (60004-1-Ig, Clone:1E6D9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b Isotype Control (66360-3-Ig, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).