

À des fins de recherche uniquement

# Anticorps Monoclonal anti-GAPDH

Numéro de catalogue: **CL488-60004** 6 Publications



## Informations de base

<b>Numéro de catalogue:</b> CL488-60004	<b>Numéro d'acquisition GenBank:</b> BC004109	<b>Méthode de purification:</b> Purification par protéine A
<b>Taille:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 2597	<b>CloneNo.:</b> 1E6D9
<b>Hôte:</b> Mouse	<b>Nom complet:</b> glyceraldehyde-3-phosphate dehydrogenase	<b>Dilutions recommandées:</b> WB 1:2000-1:16000
<b>Isotype:</b> IgG2b	<b>MW calculé:</b> 36 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG0766	<b>MW observés:</b> 36 kDa	

## Applications

<b>Applications testées:</b> FC (Intra), WB	<b>Contrôles positifs:</b> WB : cellules A549, cellules HEK-293, cellules HeLa, cellules Jurkat
<b>Demandes citées:</b> WB	
<b>Spécificité de l'espèce:</b> Humain, levure, plante, poisson-zèbre, rat, souris	
<b>Espèces citées:</b> Humain, rat, souris	

## 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.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Decai Chi	34780782	Exp Cell Res	WB
Julie A Hicks	29577951	Virus Res	WB
Guojun Gao	32507767	Aging (Albany NY)	WB

## Stockage

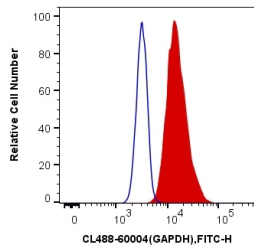
**Stockage:**  
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

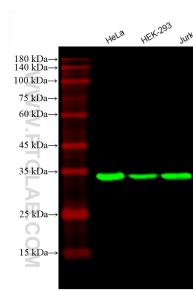
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

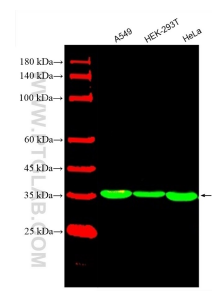
## Données de validation sélectionnées



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human GAPDH (CL488-60004, Clone:1E6D9) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Various lysates were subjected to SDS PAGE followed by western blot with CL488-60004 (GAPDH antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with CL488-60004 (GAPDH antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.