

Nur für Forschungszwecke

# GAPDH (Human Specific) Rekombinanter Antikörper



Katalog-Nr.:CL647-80570

## Allgemeine Informationen

<b>Katalog-Nr.:</b> CL647-80570	<b>GenBank-Zugangsnummer:</b> BC004109	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 100ul , Konzentration: 1000 µg/ml von2597 Nanodrop;	<b>GeneID (NCBI):</b> 2G21	<b>CloneNo.:</b> 2G21
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> glyceraldehyde-3-phosphate dehydrogenase	<b>Empfohlene Verdünnungen:</b> WB 1:2000-1:16000
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 36 kDa	<b>Anregungs-/Emissionsmaxima- Wellenlängen:</b> 654 nm / 674 nm
<b>Immunogen Katalognummer:</b> AG0766	<b>Beobachtete Masse:</b> 33 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC (Intra), WB	<b>Positivkontrollen:</b> WB : HEK-293-Zellen, HeLa-Zellen, Jurkat-Zellen
<b>Getestete Reaktivität:</b> Human	

## Hintergrundinformationen

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. 80570-1-RR is human specific.

## Lagerung

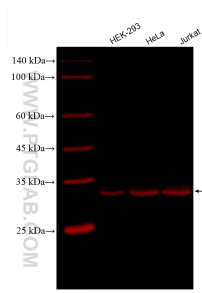
**Lagerungsbedingungen:**  
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.  
**Lagerungspuffer:**  
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.  
**Aliquotieren ist nicht notwendig bei -20°C Lagerung**

\*\*\* 20ul-Größen enthalten 0.1% BSA

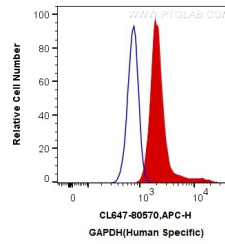
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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 CL647-80570 (GAPDH (Human Specific) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4  $\mu$ g CoraLite® Plus 647 Anti-Human GAPDH (Human Specific) (CL647-80570, Clone:2G21) (red), or 0.4  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).