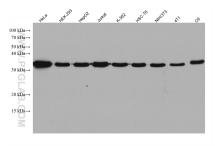
For Research Use Only

GAPDH Monoclonal antibody Catalog Number:60004-1-Ig Featured Product 13668 Publications

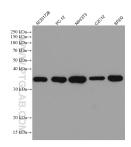
proteinter Antibodies | ELISA kits | Proteins www.ptglab.com

Basic Information	Catalog Number:GenBank Accession Number:60004-1-lgBC004109		ion Number:	Purification Method: Protein A purification CloneNo.: 1E6D9 Recommended Dilutions: WB: 1:50000-1:500000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total	
	Size: 150ul , Concentration: 1000 ug/ml by	GeneID (NCBI): 2597 UNIPROT ID: P04406 Full Name: glyceraldehyde-3-phosphate dehydrogenase Calculated MW: 36 kDa Observed MW: 36 kDa			
	Nanodrop; Source: Mouse				
	Isotype: IgG2b			rotein lysate IHC: 1:3000-1:16000 IF/ICC: 1:400-1:1600	
	Immunogen Catalog Number: AG0766			FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension	
Applications	Tested Applications: WB, IHC, IF/ICC, FC (Intra), IP, ELISA			Positive Controls:	
	Cited Applications: WB, IHC, IF, IP, CoIP, ELISA Species Specificity: human, mouse, rat, pig, zebrafish, yeast, plant Cited Species:		WB : HeLa cells, HepG2 cells, ROS1728 cells, pig brair tissue, zebrafish tissue, whole yeast, whole Nematod		
				tissue, zeofarish tissue, whole yeast, whole yeast tissue, soybean whole plant tissue, arabidopsis whol plant tissue, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells, C6 cells, PC-1: cells, C2C12 cells, SP2/0 cells, rat brain tissue, mous brain tissue	
			•		
			•		
	human, rat, chicken, goat, yeast, deer, whiteflies, tick,		IP : HeLa Ce		
	treeshrew, cynomorium songaricum			IHC : human liver cancer tissue,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			IF/ICC : HeLa cells,	
				FC (Intra) : HeLa cells,	
Background Information	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 on 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 c				
	• •	PDH expression in	n certain cell type	e note that some physiological factors, suc s. For murine tissue samples, conjugated ble.	
Notable Publications	Author Pub	med ID 3	lournal	Application	
	Yuying Wang 361	83783 (Chem Biol Interac	t WB	
	Xin Shen 361	84549 I	nt Heart J	WB	
	Yueke Lin 361	78239 I	EMBO Rep	WB,IP	
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is unnecessary for -20°C so	% glycerol, pH7.3			
*** 20ul sizes contain 0.1% BSA					
For technical support and original validation da	ta for this product please contact: 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.		

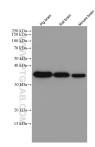
Selected Validation Data



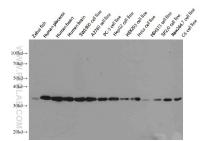
Various lysates were subjected to SDS PAGE followed by western blot with 60004-1-1g (GAPDH antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



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.



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.

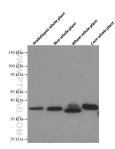


Western blot analysis of GAPDH in various tissues and cell lines using Proteintech antibody 60004-1-Ig at a dilution of 1:10000.

IP & WB of 60004-1-lg with HeLa Cell



Immunoprecipitation: 60004-1-Ig Detection: 60004-1-Ig Protein A-HRP IP-GAPDH: IP of Hela cell lysate(3000ug) incubated with 60004-1-Ig (4ug) ⁴ MV of Target band: 36kd



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



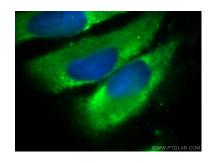
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 60004-1-1g (GAPDH antibody) at dilution of 1:16000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



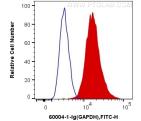
IP result of anti-GAPDH (60004-1-Ig for IP and

Detection) with HeLa cell lysate.

Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 60004-1-Ig (GAPDH antibody) at dilution of 1:16000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using GAPDH antibody (60004-1-Ig, Clone: 1E6D9) at dilution of 1:800 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



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).