

Product overview

product name	Anti GAPDH Polyclonal Antibody
catalog No.	ATPA00013Rb
Category	Primary antibody
Host	Rabbit
Species specificity	Human,Rat,Mouse,Zebrafish,Acipenser sinensis
Tested applications	WB
Clonality	Polyclonal
Clone No.	/
Conjugation	Unconjugated
Immunogen	Recombinant human GAPDH (Met1-Glu335).
Alternative Names	GAPD.
Uniprot ID	P04406

Product performance

Form	Liquid
Buffer	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	0.5mg/ml
Isotype	IgG
MW	34kDa
Purity	Antigen affinity purification

Dilution range

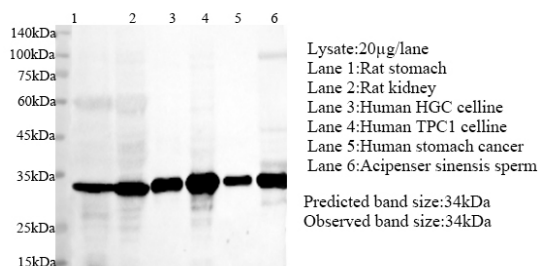
WB: 1:2000-1:5000

Product experiment picture

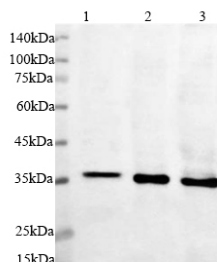


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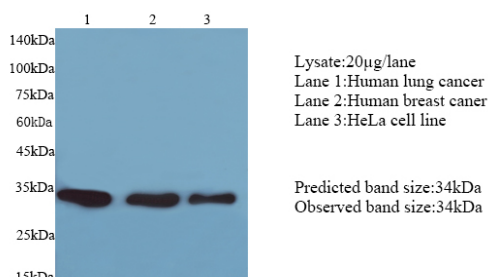
Anti GAPDH Polyclonal Antibody



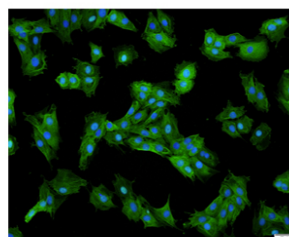
Various lysates were subjected to SDS PAGE followed by western blot with GAPDH antibody at dilution of 1:2000.



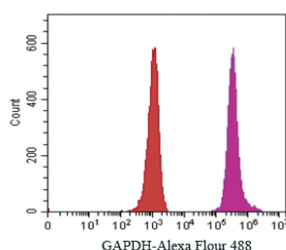
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Immunofluorescent analysis of H929 cells using GAPDH antibody at dilution of 1:100 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).



1×10^6 THP-1 cells were stained with 1:100 GAPDH antibody (purple) and control antibody (red). Fixed with 4% PFA blocked with BSA (30min). Alexa Fluor 488-conjugated Affinipure Goat anti-rabbit IgG(H+L) with dilution 1:100.

Product background

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.