

Basic Information

Product Name	Anti-GAPDH Antibody (Clone#5A12)	
Gene Name	GAPDH	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG1	
Species Reactivity	human, mouse, rat, monkey, zebrafish, chicken, rabbit, pig	
Tested Application	WB, ICC/IF, IP	
Contents	200ug/ml antibody with PBS , 0.02% NaN ₃ , 1mg BSA	
Immunogen	Polypeptide	
Purification	protein G purified.	
Observed MW	36 kDa	
Dilution Ratios	Western blot (WB):	1:10000-200000
	Immunocytochemistry/Immunofluorescence(ICC/IF):	1:200-500
	ImmunoPrecipitation (IP):	1:50

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. Two transcript variants encoding different isoforms have been found for this gene.

Reference

Anti-GAPDH Antibody (Clone#5A12)被引用在403文献中。

Selected Validation Data

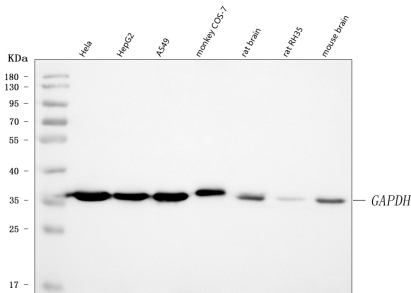


Figure 1. Western blot analysis of anti-GAPDH antibody (BM1623).

The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human HepG2 whole cell lysates,

Lane 3: human A549 whole cell lysates,

Lane 4: monkey COS-7 whole cell lysates,

Lane 5: rat brain lysates,

Lane 6: rat RH-35 whole cell lysates,

Lane 7: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-GAPDH antigen

affinity purified monoclonal antibody (BM1623) at a dilution of

1:1000 and probed with a goat anti-rabbit IgG-HRP secondary

antibody (Catalog # BA1054). The signal is developed using ECL

Plus Western Blotting Substrate (Catalog # AR1197). A specific

band was detected for GAPDH at approximately 36 kDa. The

expected band size for GAPDH is at 36 kDa.