

## Basic Information

<b>Product Name</b>	Anti-GAPDH Antibody (Clone#5A12)	
<b>Gene Name</b>	GAPDH	
<b>Source</b>	Mouse	
<b>Clonality</b>	Monoclonal	
<b>Isotype</b>	IgG1	
<b>Species Reactivity</b>	human, mouse, rat, monkey, zebrafish, chicken, rabbit, pig	
<b>Tested Application</b>	WB, ICC/IF, IP	
<b>Contents</b>	200ug/ml antibody with PBS , 0.02% NaN <sub>3</sub> , 1mg BSA	
<b>Immunogen</b>	Polypeptide	
<b>Purification</b>	protein G purified.	
<b>Observed MW</b>	36 kDa	
<b>Dilution Ratios</b>	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421文献中。

## Selected Validation Data

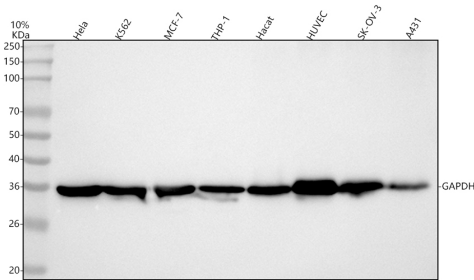


Figure 1. Western blot analysis of anti-GAPDH antibody (BM1623). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human K562 whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human THP-1 whole cell lysates,

Lane 5: human Hacat whole cell lysates,

Lane 6: human HUVEC whole cell lysates,

Lane 7: human SK-OV-3 whole cell lysates,

Lane 8: human A431 whole cell 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 1:10000 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.