

Basic Information

Product Name	Anti-GAPDH Antibody	
Gene Name	GAPDH	
Source	Mouse	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF, IP, FCM	
Contents	500 ug/ml antibody with PBS , 0.02% NaN3 , 1mg BSA	
Immunogen	A synthesized peptide derived from human GAPDH Mouse Monoclonal Antibody	
Purification	Affinity-chromatography	
Observed MW	36 kDa	
Dilution Ratios	Western blot (WB):	1:1000-5000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:50
	Flow Cytometry (FCM):	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

Glyceraldehyde 3 phosphate dehydrogenase (GAPDH) is well known as one of the key enzymes involved in glycolysis. GAPDH is constitutively abundant expressed in almost cell types at high levels, therefore antibodies against GAPDH are useful as loading controls for Western Blotting. Some pathology factors, such as hypoxia and diabetes, increased or decreased GAPDH expression in certain cell types.

Reference

Anti-GAPDH Antibody被引用在127文献中。

Selected Validation Data

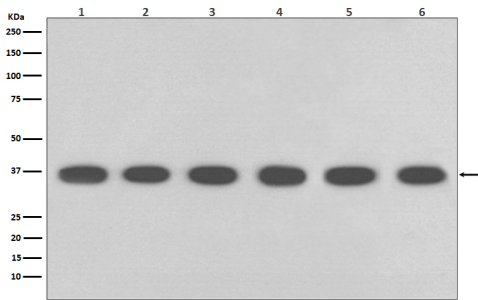


Figure 1. Western blot analysis of anti- GAPDH antibody (BM3876). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: Mouse kidney tissue lysates, Lane 4: Mouse spleen tissue lysates, Lane 5: Mouse RAW 264.7 whole cell lysates, Lane 6: Rat brain tissue lysates, Use rabbit anti-GAPDH 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for GAPDH at approximately 36KD. The expected band size for GAPDH is at 36KD.

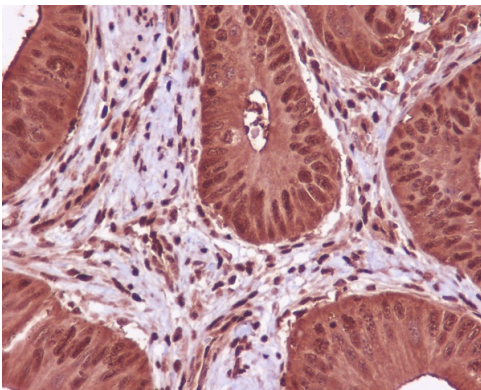


Figure 2. IHC analysis of anti- GAPDH antibody (BM3876).detected in paraffin-embedded section of human colon cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.