

# Anti- GAPDH Monoclonal Antibody(HRP conjugated)



<u>Catalog No.</u>	<u>Size</u>
E021170-01	100µl
E021170-02	500µl
E021170-03	50µl

<b>Specificity</b>	Anti- GAPDH (H, R, M, Mk, Dg, Ch, Hm, Rb, Pg, Sh)
<b>Source</b>	Mouse Monoclonal
<b>Application</b>	WB IHC
<b>Form</b>	Liquid, 1 mg/ml

## Background:

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

## Specificity and Sensitivity

The GAPDH antibody can detect endogenous GAPDH protein.

## Source and Purification

This monoclonal antibody is produced by immunizing mice with a synthetic peptide corresponding to an epitope of GAPDH coupled to KLH. Antibodies are purified by protein A affinity chromatography.

## Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows:

WB: 1:1,000~5,000 IHC:1:200

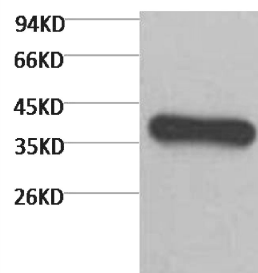
## Storage Buffer

PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.

## Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

## Images



Western blot analysis of Hela with GAPDH diluted at 1:3,000.