

HRP Conjugated Anti-GAPDH Antibody [JF81-04]

ET1702-66



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat, Monkey, Chicken, Fish
Applications:	WB
Molecular Wt:	Predicted band size: 36 kDa
Clone number:	JF81-04

Description: Glyceraldehyde-3-phosphate dehydrogenase (GAPDH), also called uracil DNA glycosylase, catalyzes the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD), an important energy-yielding step in carbohydrate metabolism. While GAPDH has long been recognized as playing an integral role in glycolysis, additional functions of GAPDH include acting as a uracil DNA glycosylase, activating transcription, binding RNA and involvement in nuclear RNA export, DNA replication and DNA repair. Expression of GAPDH is upregulated in liver, lung and prostate cancers. GAPDH translocates to the nucleus during apoptosis. GAPDH complexes with neuronal proteins implicated in human neuro-degenerative disorders including the β -Amyloid precursor, Huntingtin and other triplet repeat neuronal disorder proteins.

Conjugate: HRP-conjugated

Immunogen: Recombinant full length protein of Human GAPDH aa 1-335 / 335.

Positive control: HeLa cell lysate, L-929 cell lysate, RAW264.7 cell lysate, C6 cell lysate, COS-1 cell lysate, rat heart tissue lysate.

Subcellular location: Cytoplasm, Nucleus, Membrane.

Database links: SwissProt: P04406 Human | P16858 Mouse | P04797 Rat

Recommended Dilutions:

WB 1:50,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

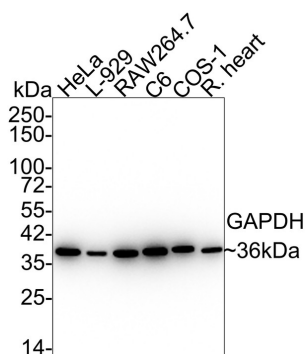
Technical:0086-571-89986345

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Images

Fig1: Western blot analysis of GAPDH on different lysates with Rabbit anti-GAPDH antibody (ET1702-66) at 1/50,000 dilution.



Lane 1: HeLa cell lysate
 Lane 2: L-929 cell lysate
 Lane 3: RAW264.7 cell lysate
 Lane 4: C6 cell lysate
 Lane 5: COS-1 cell lysate
 Lane 6: Rat heart tissue lysate

Predicted band size: 36 kDa
 Observed band size: 36 kDa

Exposure time: 24 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1702-66) at 1/50,000 dilution was used in 5% NFDM/TBST at 4°C overnight.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Ali D et al. Epigenetic Library Screen Identifies Abexinostat as Novel Regulator of Adipocytic and Osteoblastic Differentiation of Human Skeletal (Mesenchymal) Stem Cells. *Stem Cells Transl Med* 5:1036-47 (2016).
2. Ambade A et al. Alcoholic hepatitis accelerates early hepatobiliary cancer by increasing stemness and miR-122-mediated HIF-1a activation. *Sci Rep* 6:21340 (2016).

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