Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

GAPDH Polyclonal Antibody

Catalog No: tcba13654

Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul

Specifications

Application:
WB

Research Area:
Epigenetics & Nuclear Signaling,Epigenetic Modifications,Epigenetic Modifications_Methylation,Epigenetics & Nuclear Signaling,Epigenetic Modifications,Epigenetic Modifications_Methylation,

Species Reactivity:
Human,Mouse,Rat

Host Species:
Rabbit

Immunogen / Amino acids:
Recombinant fusion protein containing a sequence corresponding to amino acids 1-335 of human GAPDH (NP_002037.2).

Conjugation:
Unconjugated

Clonality:
Polyclonal

Isotype:
IgG

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Storage Buffer:
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Recommended Dilution:
WB 1:1000 - 1:2000

Storage Instruction:
Store at -20℃. Avoid freeze / thaw cycles.

Alternative Names:
G3PD;GAPD;HEL-S-162eP

SwissProt:
P04406

Gene ID:
2597 (human);

Calculated Molecular Weight:
31kDa/36kDa

Purification:
Affinity purification

Cellular Location:
Cytoplasm,Membrane,Nucleus,cytoskeleton,cytosol,perinuclear region,

Product Description

This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. 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 encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus. Also, this protein contains a peptide that has antimicrobial activity against E. coli, P. aeruginosa, and C. albicans. Studies of a similar protein in mouse have assigned a variety of additional functions including nitrosylation of nuclear proteins, the regulation of mRNA stability, and acting as a transferrin receptor on the cell surface of macrophage. Many pseudogenes similar to this locus are present in the human genome. Alternative splicing results in multiple transcript variants.

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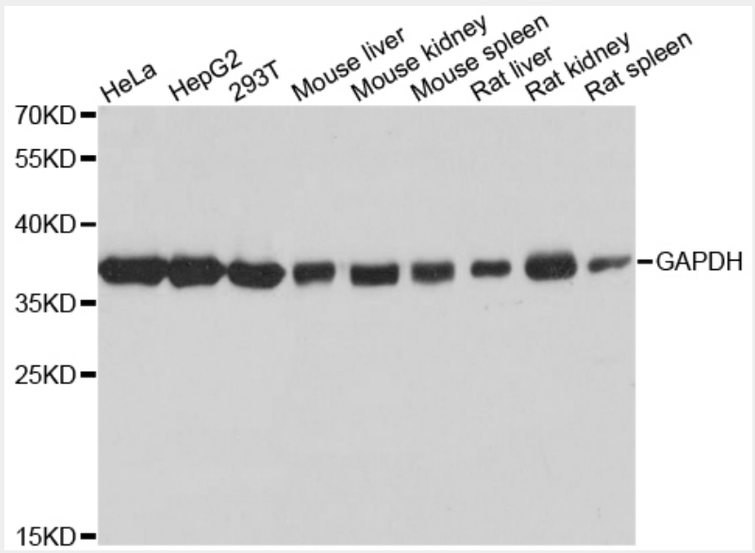

Western blot analysis of extracts of various cell lines, using GAPDH antibody at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 1s.