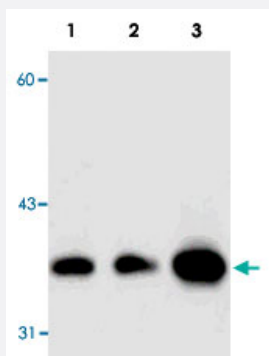


GAPDH polyclonal antibody

Catalog # PAB17013 Size 100 ug

Applications



Western Blot

Western blot analysis of GAPDH expression in 293 (A) and HeLa (B) whole cell lysates and mouse kidney tissue extract (C) using GAPDH polyclonal antibody (Cat # PAB17013).

Specification

Product Description Rabbit polyclonal antibody raised against partial recombinant GAPDH.

Immunogen Recombinant protein corresponding to human GAPDH.

Host Rabbit

Reactivity Human, Mouse, Rat

Form Liquid

Recommend Usage Western Blot (1:1000-1:4000)
Immunofluorescence (1:100-1:400)
Immunohistochemistry (1:100-1:400)
The optimal working dilution should be determined by the end user.

Storage Buffer In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction Store at 4°C for three months. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of GAPDH expression in 293 (A) and HeLa (B) whole cell lysates and mouse kidney tissue extract (C) using GAPDH polyclonal antibody (Cat # PAB17013).

- Immunohistochemistry

- Immunofluorescence

Gene Info — GAPDH

Entrez GeneID	2597
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685
Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	138400
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000174431 OTTHUMP00000174432 aging-associated gene 9 protein glyceraldehyde 3-phosphate dehydrogenase

Publication Reference

- [TZAP overexpression induces telomere dysfunction and ALT-like activity in ATRX/DAXX-deficient cells.](#)

Sara Priego Moreno, Javier Miralles Fusté, Melanie Kaiser, Julia Su Zhou Li, Joe Nassour, Candy Hagglom, Eros Lazzerini Denchi, Jan Karlseder.

iScience 2023 Mar; 26(4):106405.

Application: WB-Ce, Human, U-2 OS cells, GM847, HeLa 1.2.11 cells, HT-1080 cells

- [Telomere-to-mitochondria signalling by ZBP1 mediates replicative crisis.](#)

Joe Nassour, Lucia Gutierrez Aguiar, Adriana Correia, Tobias T Schmidt, Laura Mainz, Sara Przetocka, Candy Haggblom, Nimesha Tadepalle, April Williams, Maxim N Shokhirev, Semih C Akincilar, Vinay Tergaonkar, Gerald S Shadel, Jan Karlseder.
Nature 2023 Feb; 614(7949):767.

Application: WB-Tr, Human, IMR90 cells

- [Autophagic cell death restricts chromosomal instability during replicative crisis.](#)

Nassour J, Radford R, Correia A, Fusté JM, Schoell B, Jauch A, Shaw RJ, Karlseder J.
Nature 2019 Jan; 565(7741):659.

Application: WB, Human, Human mammary epithelial cells

- [Validation of pharmacodynamic assays to evaluate the clinical efficacy of an antisense compound \(AEG 35156\) targeted to the X-linked inhibitor of apoptosis protein XIAP.](#)

Cummings J, Ward TH, LaCasse E, Lefebvre C, St-Jean M, Durkin J, Ranson M, Dive C.
British Journal of Cancer 2005 Feb; 92(3):532.

Application: WB-Tr, Human, MDA-MB-231/X-G4 cells

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)

Disease

- [Alzheimer disease](#)

- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)

- [Metabolic Syndrome X](#)

- [Neoplasms](#)

- [Nerve Degeneration](#)

- [Osteoporosis](#)