

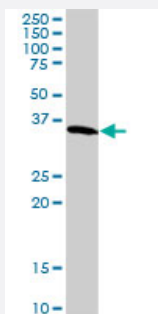
MaxPab®

GAPDH purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002597-D01P

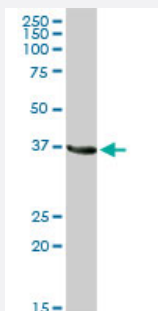
Size 100 ug

Applications



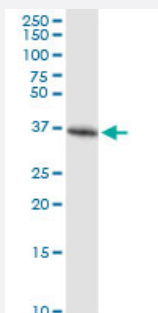
Western Blot (Tissue lysate)

GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in mouse lung.



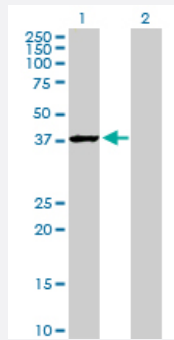
Western Blot (Tissue lysate)

GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in human kidney.



Western Blot (Cell lysate)

GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in HeLa.



Western Blot (Transfected lysate)

Western Blot analysis of GAPDH expression in transfected 293T cell line ([H00002597-T01](#)) by GAPDH MaxPab polyclonal antibody.

Lane 1: GAPDH transfected lysate(36.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GAPDH protein.
Immunogen	GAPDH (NP_002037.2, 1 a.a. ~ 335 a.a) full-length human protein.
Sequence	MGKVKVGVNGFGRIGRLVTRAAFNSGKVDVAINDPFIDLNYMVYMFQYDSTHGKFHGTVKAENG KLNINGNPITIFQERDPSKIKWGDAGAEYVVESTGVFTTMEKAGAHLQGGAKRVIISAPSADAPMFV MGVNHEKYDNSLKIISNASCTTNCLAPLAKVIHDNFGMEGLMTTVHAITATQKTVDGPSGKLWRDG RGALQNIIPASTGAAKAVGKVIPELNGKLTGMAFRVPTANVSVDLTCRLEKPAKYDDIKKVVKQA SEGPLKGILGYTEHQVVSSDFNSDTHSSTFDAGAGIALNDHFVKLISWYDNEFGYSNRVVDLMAH MASKE
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in mouse lung.

[Protocol Download](#)

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GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

GAPDH MaxPab rabbit polyclonal antibody. Western Blot analysis of GAPDH expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GAPDH expression in transfected 293T cell line ([H00002597-T01](#)) by GAPDH MaxPab polyclonal antibody.

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[Protocol Download](#)

Gene Info — GAPDH

Entrez GeneID [2597](#)

GeneBank Accession# [NM_002046](#)

Protein Accession# [NP_002037.2](#)

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

- [Structure-function analyses of the G729R 2-oxoadipate dehydrogenase genetic variant associated with L-lysine metabolism disorder.](#)

Zhang X, Nemeria NS, Leandro J, Houten S, Lazarus MB, Gerfen GJ, Ozohanics O, Ambrus A, Nagy B, Brukh R, Jordan F.
The Journal of Biological Chemistry 2020 Jun; 295(23):8078.

Application: WB-Ce, Human, Fibroblasts

- [miR-214 suppresses the osteogenic differentiation of bone marrow-derived mesenchymal stem cells and these effects are mediated through the inhibition of the JNK and p38 pathways.](#)

Guo Y, Li L, Gao J, Chen X, Sang Q.

International Journal of Molecular Medicine 2016 Dec; 39(1):71.

Application: WB-Tr, Rat, Rat bone marrow-derived mesenchymal stem cells

- [Genetic basis of alpha-aminoadipic and alpha-ketoadipic aciduria.](#)

Hagen J, Te Brinke H, Wanders RJ, Knecht AC, Oussoren E, Hoogeboom AJ, Ruijter GJ, Becker D, Schwab KO, Franke I, Duran M, Waterham HR, Sass JO, Houten SM.

Journal of Inherited Metabolic Disease 2015 Sep; 38(5):873.

Application: Immunoblotting, Human, Fibroblasts

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](#)