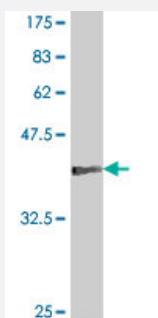


GAPDH polyclonal antibody (A01)

Catalog # H00002597-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant GAPDH.
Immunogen	GAPDH (NP_002037, 226 a.a. ~ 335 a.a) partial recombinant protein with GST tag.
Sequence	GKLTGMAFRVPTANVSVDLTCLREKPAKYDDIKKVVKQASEGPLKGILGYTEHQVVSSDFNSDT HSSTFDAGAGIALNDHFVKLISWYDNEFGYSNRVVDLMAHMASKE
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GAPDH

Entrez GeneID [2597](#)

GeneBank Accession# [NM_002046](#)

Protein Accession# [NP_002037](#)

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

- [Overexpressed Gα13 activates serum response factor through stoichiometric imbalance with Gβγ and mislocalization to the cytoplasm.](#)

Sharmin Hasan, Nicholas F White, Alicia C Tagliatela, R Taylor Durall, Katherine M Brown, Gray R McDiarmid, Thomas E Meigs.

Cellular Signalling 2023 Feb; 102:110534.

Application: WB-Tr, Human, HEK293 cells

- [Cyclic compression-induced p38 activation and subsequent MMP13 expression requires Rho/ROCK activity in bovine cartilage explants.](#)

Nakagawa K, Teramura T, Takehara T, Onodera Y, Hamanishi C, Akagi M, Fukuda K.

Inflammation Research 2012 Oct; 61(10):1093.

Application: WB, Bovine, Bovine cartilage explants, Primary chondrocytes

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](#)