

Product datasheet for **TA319654**

GAPDH Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA, WB: 0.5 - 2 ug/ml, IHC: 10 ug/ml, IF: 20 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	GAPDH antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human GAPDH.
Formulation:	GAPDH Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	GAPDH Antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	glyceraldehyde-3-phosphate dehydrogenase
Database Link:	NP_001243728 Entrez Gene 14433 Mouse Entrez Gene 24383 Rat Entrez Gene 2597 Human P04406



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Background:

GAPDH Antibody: Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) 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. Recent evidence suggests that it also is involved in a number of cellular processes such as membrane fusion, phosphotransferase activity, DNA replication and repair, and nuclear RNA export. GAPDH has also been implicated in playing a role in different pathologies such as cancer progression, apoptosis, and neuronal diseases such as Alzheimer's and Huntington's disease. GAPDH is constitutively expressed at high levels in almost all tissues and cell lines making it ideal for use as a loading control marker in immunoblots.

Synonyms:

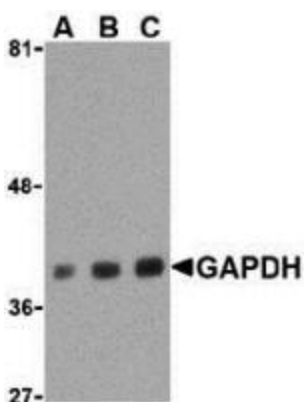
G3PD; GAPD; HEL-S-162eP

Protein Families:

ES Cell Differentiation/IPS

Protein Pathways:

Alzheimer's disease, Glycolysis / Gluconeogenesis, Metabolic pathways

Product images:

Western blot analysis of GAPDH in multiple cell and tissue lysates with GAPDH antibody at 0.5 μ g/ml. Lanes 1-8, A431, Daudi, HepG2, HL60, Jurkat, human kidney, mouse lung, and chicken liver, respectively.



Immunohistochemical staining of GAPDH in HeLa cells at a dilution of 10 μ g/mL.