# GAPDH Antibody

Catalog No: #24407

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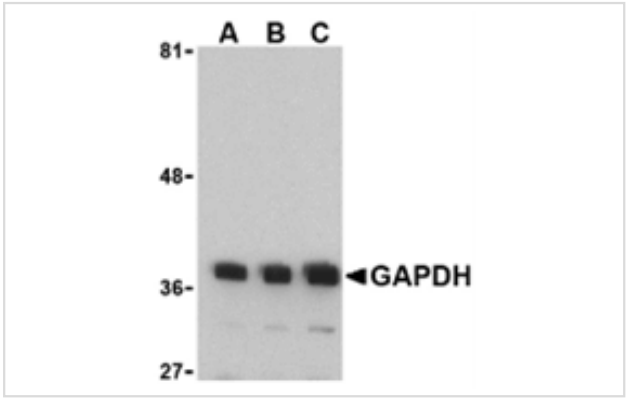
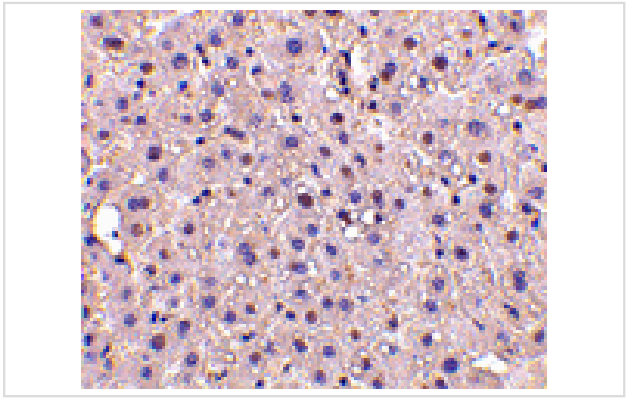
## Description

| | |
|---|---|
| Product Name | GAPDH Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Affinity chromatography purified via peptide column |
| Applications | ELISA WB IHC |
| Species Reactivity | Hu Ms Rt |
| Immunogen Type | Peptide |
| Immunogen Description | Raised against a 16 amino acid peptide from near the amino-terminus of human GAPDH. |
| Target Name | GAPDH |
| Other Names | Glyceraldehyde-3-phosphate dehydrogenase, G3PDH, GAPD |
| Accession No. | P04406 |
| Uniprot | P04406 |
| GeneID | 2597; |
| Concentration | 1mg/ml |
| Formulation | Supplied in PBS containing 0.02% sodium azide. |
| Storage | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images




Western blot analysis of GAPDH in HeLa cell lysate with GAPDH antibody at (A) 0.125, (B) 0.25 and (C) 0.5 ug/mL.



Immunohistochemistry of GAPDH in human liver tissue with GAPDH antibody at 10 ug/mL.

## Background

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 Alzheimerβ s and Huntingtonβ 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.

Note: This product is for in vitro research use only