

## GAPDH Loading Control Antibody (5Y774)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5Y774
Purification:	Protein A

### Applications

Verified Activity:	<ol style="list-style-type: none"><li>1. Immunochemical staining of human GAPDH in human hepatitis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).</li><li>2. Immunochemical staining of human GAPDH in human appendicitis with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).</li></ol>
Application:	IHC-P
Recommended	IHC-P: 1:100-1:500

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: center region of the human GAPDH
Antigen Species:	Human
Synonyms:	glyceraldehyde-3-phosphate dehydrogenase;G3PD;GAPD;HEL-S-162eP
Biology Area:	Adaptor Proteins

### Research Background

Glyceraldehyde 3-phosphate dehydrogenase (GAPDH or G3PDH) is an enzyme of about 37kDa that is considered as a cellular enzyme involved in glycolysis. It catalyzes the sixth step of glycolysis. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a pleiotropic enzyme that is overexpressed in apoptosis and in several human chronic pathologies. Its role as a mediator for cell death has also been highlighted. A recent report suggests that GAPDH may be genetically associated with late-onset of Alzheimer's disease. Besides, deprenyl, which has originally been used as a monoamine oxidase inhibitor for Parkinson's disease, binds to GAPDH and displays neuroprotective actions.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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