

## Anti-GAPDH Antibody (6G48)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6G48
Purification:	Protein A

### Applications

Verified Activity:	<p>1. Anti-GAPDH rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none"><li>-Lane A: Hela Whole Cell Lysate.</li><li>-Lane B: Jurkat Whole Cell Lysate.</li><li>-Lane C: HepG2 Whole Cell Lysate.</li><li>-Lane D: MCF7 Whole Cell lysate.</li></ul> <p>-Lysates/proteins at 30 µg per lane.</p> <p>-Secondary</p> <ul style="list-style-type: none"><li>-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.</li><li>-Developed using the ECL technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size:36 kDa.</li><li>-Observed band size:36 kDa.</li></ul> <p>2. GAPDH was immunoprecipitated using:</p> <ul style="list-style-type: none"><li>-Lane A:0.5 mg Hela Whole Cell Lysate.</li><li>-Lane B:0.5 mg HepG2 Whole Cell Lysate.</li><li>-Lane C:0.5 mg Jurkat Whole Cell Lysate.</li></ul> <p>-4 µL anti-GAPDH rabbit monoclonal antibody and 60 µg of Immunomagnetic beads Protein A/G.</p> <p>-Primary antibody:</p> <ul style="list-style-type: none"><li>-Anti-GAPDH rabbit monoclonal antibody, at 1:100 dilution.</li></ul> <p>-Secondary antibody:</p> <ul style="list-style-type: none"><li>-Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.</li><li>-Developed using the ECL technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size: 34 kDa.</li><li>-Observed band size:36 kDa</li></ul>
Application:	IP,WB

## A DRUG SCREENING EXPERT

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Recommended WB: 1:500-1:2000; IP: IP:1-5 µL/mg of lysate

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### 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.

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### Antigen Details

Immunogen: Recombinant Protein: Human GAPDH Protein (TMPY-02446)

Antigen Species: Human

Synonyms: HEL-S-162eP;GAPD;G3PD;glyceraldehyde-3-phosphate dehydrogenase

Biology Area: Adaptor Proteins

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### 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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