

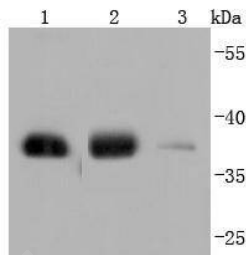
Anti-GAPDH Antibody-HRP (4W290)

Product Details

| | |
|-------------------|-------------------------------------|
| Ig Type: | IgG |
| Reactivity: | Human,Mouse,Rat,Monkey,Chicken,Fish |
| Conjugation: | HRP |
| Molecular Weight: | Theoretical: 36 kDa. |
| Clone: | 4W290 |
| Purification: | ProA affinity purified |

Applications

Verified Activity: 1. Western blot analysis of GAPDH on different lysates using anti-GAPDH antibody at 1/1,000 dilution. Positive control: Lane 1: HeLa, Lane 2: PC-12, Lane 3: NIH/3T3.



| | |
|--------------|----------------|
| Application: | WB |
| Recommended | WB: 1:500-1000 |

Properties

| | |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Keep away from direct sunlight. |
| Shipping: | Shipping with blue ice. |

Antigen Details

| | |
|-------------|--|
| Immunogen: | Recombinant Protein |
| Uniprot ID: | P04406 |
| Synonyms: | G3PD;glyceraldehyde-3-phosphate dehydrogenase;HEL-S-162eP;GAPD |

Research Background

Glyceraldehyde-3-phosphate dehydrogenase (GAPDH), also called uracil DNA glycosylase, 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. While GAPDH has long been recognized as playing an integral role in glycolysis, additional functions of GAPDH include acting as a uracil DNA glycosylase, activating transcription, binding RNA and involvement in nuclear RNA export, DNA replication and DNA repair. Expression of GAPDH is upregulated in liver, lung and prostate cancers. GAPDH translocates to the nucleus during apoptosis. GAPDH complexes with neuronal proteins implicated in human neuro-degenerative disorders including the β -Amyloid precursor, Huntingtin and other triplet repeat neuronal disorder proteins.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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