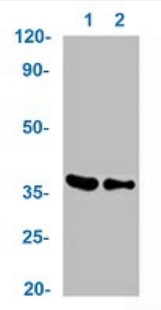
RecomAb™ Sm Size

GAPDH recombinant monoclonal antibody, clone 2C2

Catalog # RAB07928 Size 50 uL

Applications



Western Blot

Western blot analysis of
Lane 1: U87 whole cell lysate and
Lane 2: mouse brain tissue with GAPDH recombinant monoclonal antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GAPDH.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GAPDH .
Theoretical MW (kDa)	Calculated MW: 36 kD
Reactivity	Human, Mouse
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:3000-1:10000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western blot analysis of
  Lane 1: U87 whole cell lysate and
  Lane 2: mouse brain tissue with GAPDH recombinant monoclonal antibody.

Gene Info — GAPDH

Entrez GeneID	2597
Protein Accession#	P04406
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685
Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	138400
Gene Ontology	Hyperlink
Gene Summary	The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorga nic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. [provi ded by RefSeq
Other Designations	OTTHUMP00000174431|OTTHUMP00000174432|aging-associated gene 9 protein|glyceraldehy de 3-phosphate dehydrogenase

Pathway

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- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Glycolysis / Gluconeogenesis
- Metabolic pathways

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Metabolic Syndrome X
- Neoplasms
- Nerve Degeneration
- Osteoporosis

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