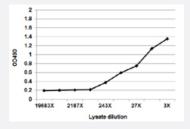


GAPDH (Human) Matched Antibody Pair

Catalog # H00002597-AP51 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 729x dilution of the GAPDH 293T overexpression lysate (non-denatured).

Specification	
Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human GAPDH.
Reactivity	Human
Quality Control Testing	Standard curve using GAPDH 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 729x dilution of the GAPD H 293T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-GAPDH, lgG1 Kappa (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-GAPDH (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

ELISA Pair (Transfected lysate)

Protocol Download



Gene Info — GAPDH	
Entrez GenelD	<u>2597</u>
Gene Name	GAPDH
Gene Alias	G3PD, GAPD, MGC88685
Gene Description	glyceraldehyde-3-phosphate dehydrogenase
Omim ID	<u>138400</u>
Gene Ontology	<u>Hyperlink</u>
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. [provided by RefSeq
Other Designations	OTTHUMP00000174431 OTTHUMP00000174432 aging-associated gene 9 protein glyceraldehy de 3-phosphate dehydrogenase

Publication Reference

Betaine ameliorates schizophrenic traits by functionally compensating for KIF3-based CRMP2 transport.

Shogo Yoshihara, Xuguang Jiang, Momo Morikawa, Tadayuki Ogawa, Sotaro Ichinose, Hirooki Yabe, Akiyoshi Kakita, Manabu Toyoshima, Yasuto Kunii, Takeo Yoshikawa, Yosuke Tanaka, Nobutaka Hirokawa.

Cell Reports 2021 Apr; 35(2):108971.

Application: EPair-Ti, Human, Human brain

Pathway

- 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
- <u>Diabetes Complications</u>
- Metabolic Syndrome X
- Neoplasms
- Nerve Degeneration
- Osteoporosis