

Goat anti-GAPDH (Internal) Antibody

Item Number	dAP-0777
Target Molecule	Principle Name: GAPDH (Internal); Official Symbol: GAPDH; All Names and Symbols: GAPDH; glyceraldehyde-3-phosphate dehydrogenase; HGNC:4141; G3PD; GAPD; MGC88685; OTTHUMP00000174431; OTTHUMP00000174432; aging-associated gene 9 protein; glyceraldehyde 3-phosphate dehydrogenase; Accession Number (s): NP_002037.2; NP_001243728.1; Human Gene ID(s): 2597; Non-Human GeneID (s): 14433 (mouse) 24383 (rat)
Immunogen	GVNHEKYDNSLK, is from internal region This antibody is expected to recognize both reported isoforms (NP_002037.2; NP_001243728.1). Reported variants represent identical protein: NP_001276674.1, NP_002037.2, NP_001276675.1. GAPDH is consti-
Applications	Pep ELISA, WB, IHC, IF Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Liver, Testis and Tonsil, and in Mouse Liver and Rat Heart lysates, and in cell lysates of HeLa and NIH3T3 (calculated MW of 36.1kDa according to Human NP_002037.2, Mouse NP_032110.1, and Rat NP_058704.1
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows textured cytoplasm staining in hepatocytes. Recommended concentration: 2µg/ml.
Reference	Reference(s): Ismail SA, Park HW. Structural analysis of human liver glyceraldehyde-3-phosphate dehydrogenase. Acta Crystallogr D Biol Crystallogr. 2005 Nov;61(Pt 11):1508-13. Epub 2005 Oct 19. PMID: 16239728->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**