

Goat anti-IDH3G (aa337-350) Antibody

Item Number	dAP-2404
Target Molecule	Principle Name: IDH3G (aa337-350); Official Symbol: IDH3G; All Names and Symbols: IDH3G; isocitrate dehydrogenase 3 (NAD ⁺) gamma; H-IDH; IDH-gamma; NAD (H)-specific isocitrate dehydrogenase gamma subunit; NAD(+)-specific ICDH subunit gamma; NAD ⁺ -specific ICDH; OTTHUMP00000025984; OTTHUMP00000025987; OTTHUMP00000025988; isocitrate dehy; Accession Number (s): NP_004126.1; NP_777358.1; Human Gene ID(s): 3421; Non-Human GeneID(s): 15929 (mouse) 25179 (rat)
Immunogen	DHLKLHSYATSIRK, is from internal region This antibody is expected to recognize both reported isoforms (NP_004126.1; NP_777358.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Rat, Pig
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 38kDa band observed in lysates of cell line MCF7 and of Rat and Pig Heart (calculated MW of 41.5kDa according to NP_777358.1). Recommended concentration: 0.5-2μg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Kidney. Recommended concentration: 5μg/ml.
Reference	Reference(s): Bzymek KP, Colman RF. Role of alpha-Asp181, beta-Asp192, and gamma-Asp190 in the distinctive subunits of human NAD-specific isocitrate dehydrogenase. Biochemistry. 2007 May 8;46(18):5391-7.. PMID: 17432878->

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 end users! This product is sold for **Research Use Only**