

Goat anti-CGI58 / ABHD5 Antibody

Item Number	dAP-1033
Target Molecule	Principle Name: CGI58 / ABHD5; Official Symbol: ABHD5; All Names and Symbols: ABHD5; CGI58 protein; aCGI58; bhydrolase domain containing 5; CDS; IECN2; MGC8731; NCIE2; Accession Number (s): NP_057090.2; Human Gene ID(s): 51099; Non-Human GeneID(s): 67469 (mouse) 316122 (rat)
Immunogen	FPERPDLADQDR, is from internal region This antibody is not expected to cross-react with ABHD4.
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse
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 40kDa band observed in lysates of cell line NIH3T3 (calculated MW of 39.1kDa according to NP_057090.2). Recommended concentration: 0.2-0.6µg/ml. Primary incubation was 1 hour. Additional faint bands of 26kDa and 18kDa were observed.
IHC	Immunohistochemistry: Paraffin embedded Human Pancreas and Kidney. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Lass A, Zimmermann R, Haemmerle G, Riederer M, Schoiswohl G, Schweiger M, Kienesberger P, Strauss JG, Gorkiewicz G, Zechner R. Adipose triglyceride lipase-mediated lipolysis of cellular fat stores is activated by CGI-58 and defective in Chanarin-Dorfman Syndrome. <i>Cell Metab.</i> 2006 May;3

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**