

Goat anti-HNF4A Antibody

Item Number	dAP-0674
Target Molecule	Principle Name: HNF4A; Official Symbol: HNF4A; All Names and Symbols: HNF4A; TCF; HNF4; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; hepatocyte nuclear factor 4, alpha; HNF4-alpha; transcription factor-14; FLJ39654; HNF4alpha; MODY; MODY1; HNF4alpha10/11/12; hepatic nuclear factor 4 alpha; Accession Number (s): NP_849180.1; NP_000448.3; NP_849181.1; Human Gene ID(s): 3172; Non-Human GeneID(s):
Immunogen	RLSKTLVDMMDADY, is from N Terminus This antibody is expected to recognise the reported isoforms a, b and c (NP_849180.1; NP_000448.3; NP_849181.1 resp.).
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 32000.
Western Blot	Western Blot: Approx 55kDa and 48kDa bands observed in Mouse Small Intestine and in lysates of cell line HepG2 (calculated MW of 52.8kDa according to Human NP_000448.3 , 46.6kDa according to Human NP_849181.1, 52.7kDa according to Mouse NP_032287.2 and
IHC	Immunohistochemistry: Paraffin embedded Human Small Intestine. Recommended concentration: 2µg/ml.
Reference	Reference(s): Damcott CM, Hoppman N, Ott SH, Reinhart LJ, Wang J, Pollin TI, O'Connell JR, Mitchell BD, Shuldiner AR. Polymorphisms in both promoters of hepatocyte nuclear factor 4-alpha are associated with type 2 diabetes in the Amish. Diabetes. 2004 Dec;53(12):3337-41. .PMID: 15561969 ->

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**