Goat anti-FOXA2 / HNF3B Antibody

Item Number	dAP-0218
Target Molecule	Principle Name: FOXA2 / HNF3B; Official Symbol: FOXA2; All Names and Symbols: FOXA2; HNF3B; forkhead box A2; TCF3B; MGC19807; hepatic nuclear factor-3-beta; hepatocyte nuclear factor 3, beta; Accession Number (s): NP_068556.2; NP_710141.1; Human Gene ID(s): 3170; Non-Human GeneID(s): 15376 (mouse) 25099 (rat)
Immunogen	GVYSRPIMNSS, is from C Terminus This antibody is expected to recognise both reported isoforms: NP_068556.2; NP_710141.1
Applications	Pep ELISA, WB, IHC Species Tested: Human, 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; Reconsititute 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 4000.
Western Blot	Western Blot: Approx 60kDa band observed in Human Liver and Rat Lung lysates (calculated MW of 48.3kDa according to Human NP_710141.1 and 48.5kDa according to Rat NP_036875.1). The observed molecular weight corresponds to earlier findings in literature (
IHC	Immunohistochemistry: In paraffin embedded Human Prostate shows nuclear staining in the secretory cells of the gland. Recommended concentration: 4-8µg/ml.
Reference	Reference(s): Wang H, Gauthier BR, Hagenfeldt-Johansson KA, Iezzi M, Wollheim CB. Foxa2 (HNF3beta) controls multiple genes implicated in metabolism-secretion coupling of glucose-induced insulin release. J Biol Chem. 2002 May 17;277(20):17564-70. Epub 2002 Mar 01..PMID: 11875061->

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