

## Goat anti-FOXA2 / HNF3B, Biotinylated Antibody

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| <b>Item Number</b>     | dAP-3313  |
| <b>Target Molecule</b> | Principle Name: FOXA2 / HNF3B, Biotinylated; Official Symbol: FOXA2; All Names and Symbols: FOXA2; forkhead box A2; HNF3B; TCF3B; HNF-3-beta; HNF-3B; TCF-3B; forkhead box protein A2; hepatic nuclear factor-3-beta; hepatocyte nuclear factor 3, beta; transcription factor 3B; Accession Number (s): NP_068556.2; NP_710141.1.; Human Gene ID(s): 3170; Non-Human GeneID(s): 15376 (mouse) 25099 (rat) |
| <b>Immunogen</b>       | GVYSRPIMNSS., is from C Terminus<br>This antibody is expected to recognise both reported isoforms: NP_068556.2; NP_710141.1.  |
| <b>Applications</b>    | Pep ELISA, WB, IHC<br><br>Species Tested: Human, Rat  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.   |
| <b>Supplied As</b>     | 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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.  |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 4000.   |
| <b>Western Blot</b>    | Western Blot: Approx 60kDa band observed in 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 (Wang et al, J Bi  |
| <b>IHC</b>             |   |
| <b>Reference</b>       | 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. The Journal of biological chemistry 2002 May 277 (20): 17564-70..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**