

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB06000-T - Goat Anti-FOXA2 / HNF3B Antibody -Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: FOXA2, HNF3B, forkhead box A2, TCF3B, MGC19807, hepatic nuclear factor-3-beta, hepatocyte nuclear factor 3, beta, forkhead box protein A2, HNF-3B, HNF-3-beta, TCF-3B, transcription factor 3B Official Symbol: FOXA2 Accession Number(s): NP_068556.2; NP_710141.1 Human GeneID(s): <u>3170</u> Non-Human GeneID(s): 15376 (mouse), 25099 (rat) Important Comments: This antibody is expected to recognise both reported isoforms: NP_068556.2; NP_710141.1

Immunogen

Peptide with sequence C-GVYSRPIMNSS, from the C Terminus of the protein sequence according to NP_068556.2; NP_710141.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

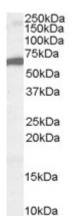
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

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 (Wang et al, J Biol Chem. 2002 May 17;277(20):17564-70.; PMID: 11875061). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse Liver and Lung for this particular batch. **IHC:** In paraffin embedded Human Prostate shows nuclear staining in the secretory cells of the gland. Recommended concentration: 4-8µg/ml.

Species Reactivity

Tested: Human, Rat Expected from sequence similarity: Human, Mouse, Rat

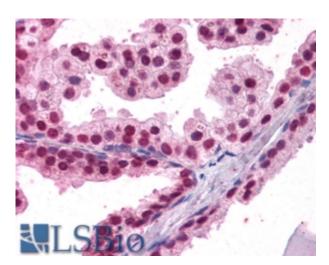


EB06000 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



15kDa

EB06000 (1µg/ml) staining of Rat Lung lysate (35µg protein in RIPA buffer). Detected by chemiluminescence



EB06000 (3.8µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.