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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07588 - Goat Anti-TCF2 / VHNF1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TCF2, VHNF1, transcription factor 2, hepatic LF-B3 variant hepatic nuclear factor, FJHN, HNF1B, HNF1beta, HNF2, LFB3, MODY5, transcription factor 2

Official Symbol: HNF1B

Accession Number(s): NP_000449.1; NP_001159395.1

Human GeneID(s): [6928](#)

Non-Human GeneID(s): 21410 (mouse), 25640 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_000449.1; NP_001159395.1). This product may cross-react with HNF1A.

Immunogen

Peptide with sequence C-QAYDRQKNPSKEER, from the internal region of the protein sequence according to NP_000449.1; NP_001159395.1.

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 1:64000.

Western blot: Approx 60kDa band observed in Human Liver lysates (calculated MW of 61.3kDa according to NP_000449.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. An additional band of unknown identity was also consistently observed at 100kDa. This band was successfully blocked by incubation with the immunising peptide.

Immunocytochemistry: A customer found positive results in ICC on Human primitive gut tube from Human embryonic stem cells.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow, Zebrafish

Specific Reference

This antibody has been successfully used in Western blot in Mouse:

Arenas F, Hervias I, Uriz M, Joplin R, Prieto J, Medina JF.

Combination of ursodeoxycholic acid and glucocorticoids upregulates the AE2 alternate promoter in human liver cells.

J Clin Invest. 2008 Feb;118(2):695-709.

PMID: 18188457

EB07588 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.