

## International Office

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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. This antibody was successfully used in WB on Mouse in the following paper: Arenas F et al. (2008) PMID: 18188457.

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

### Species Reactivity

**Tested:** Human, Mouse

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

### Specific References

**This antibody has been successfully used in WB in the following paper:**

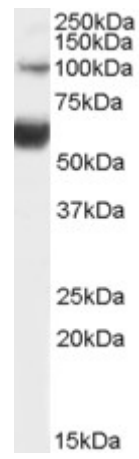
Kelli Grand, Martine Stoltz, Ludovica Rizzo, Ruth Röck, Michael M Kaminski, Gabriela Salinas, Maïke Getwan, Thomas Naert, Roman Pichler, Soeren S Lienkamp  
HNF1B Alters an Evolutionarily Conserved Nephrogenic Program of Target Genes  
J Am Soc Nephrol. 2023 Mar 1;34(3):412-432.  
PMID: 36522156

**This antibody has been successfully used in Western blot on 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.