

Rabbit anti-Human HNF1 beta Polyclonal Antibody | anti-HNF1B antibody

HNF1 beta Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322040	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

HNF1 beta; Polyclonal Antibody; HNF1 beta Antibody; FJHN; Hepatocyte nuclear factor 1 beta; Hepatocyte nuclear factor 1-beta; HNF 1B; HNF 2; HNF-1-beta; HNF-1B; HNF1 homeobox B; HNF1B; HNF1B_HUMAN; HNF1beta; HNF2; Homeoprotein LF B3; Homeoprotein LFB3; HPC11; LF B3; LFB3; MODY 5; MODY5; TCF 2; TCF 2 protein; TCF-2; TCF2; TCF2 protein; Transcription factor 2; Transcription factor 2 hepatic; Variant hepatic nuclear factor 1; Variant hepatic nuclear factor; VHNF 1; vHNF1; anti-HNF1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	HNF1 beta antibody detects endogenous levels of total HNF1 beta
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	557
Applicable Applications for anti-HNF1B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HNF1 beta
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of HNF1 beta expression in Human liver lysate



IF (Immunofluorescence)
AAA322040 staining A549 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HNF1B antibody	Description: Defects in HNF1B are the cause of renal cysts and diabetes syndrome (RCAD) [MIM:137920]; also called maturity-onset diabetes of the young type 5 (MODY5) or familial hypoplastic glomerulocystic kidney disease (GCKD). RCAD is an autosomal dominant disorder comprising non-diabetic renal disease resulting from abnormal renal development, and diabetes, which in some cases occurs earlier than age 25 years and is thus consistent with a identification of maturity-onset diabetes of the young (MODY5). Function: Transcription factor, probably binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Subunit Structure: Binds DNA as a dimer. Can form homodimer or heterodimer with HNF1-alpha. Similarity: Belongs to the HNF1 homeobox family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507397
NCBI GeneID	6928
NCBI Accession #	NP_000449.1
NCBI GenBank Nucleotide #	NM_000458.3
UniProt Accession #	P35680; B4DKM3; E0YMJ9
Molecular Weight	Observed: 61 kDa Predicted: 62 kDa
NCBI Official Full Name	hepatocyte nuclear factor 1-beta isoform 1
NCBI Official Synonym Full Names	HNF1 homeobox B
NCBI Official Symbol	HNF1B
NCBI Official Synonym Symbols	FJHN; HNF2; LFB3; TCF2; HPC11; LF-B3; MODY5; TCF-2; VHNF1; HNF-1B; HNF1beta; HNF-1-beta
NCBI Protein Information	hepatocyte nuclear factor 1-beta
UniProt Protein Name	Hepatocyte nuclear factor 1-beta
UniProt Gene Name	HNF1B
UniProt Synonym Gene Names	TCF2; HNF-1-beta; HNF-1B; TCF-2; vHNF1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.