

Goat HNF4A / HNF4 Polyclonal Antibody | anti-HNF4A antibody

Goat Polyclonal to Human HNF4A / HNF4

CATALOG # AAA50986	HOST Goat	REACTIVITY Human, Monkey, Bat, Dog, Hamster, Horse, Pig, Rabbit.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

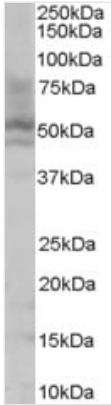
HNF4A / HNF4; Polyclonal Antibody; Goat Polyclonal to Human HNF4A / HNF4; Anti-HNF4A / HNF4 Antibody (N-Terminus) IHC-plus; HNF4A; Hepatic nuclear factor 4 alpha; HNF4; HNF4a8; NR2A21; TCF; TCF-14; TCF14; MODY1; Transcription factor 14; Transcription factor HNF-4; HNF-4-alpha; HNF4 alpha; HNF4a7; HNF4a9; HNF4alpha; HNF4alpha10/11/12; MODY; NR2A1; Human HNF4A; anti-HNF4A antibody

PRODUCT SPECIFICATIONS

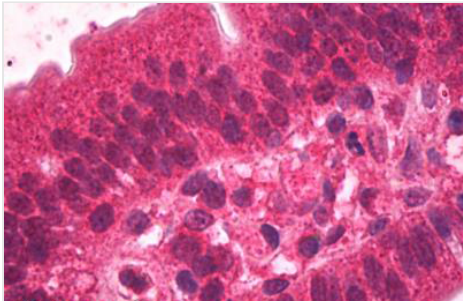
Host	Goat
Reactivity	Human, Monkey, Bat, Dog, Hamster, Horse, Pig, Rabbit.
Clonality	Polyclonal
Specificity	Human HNF4A / HNF4. This antibody is expected to recognise the reported isoforms a, b and c (NP_849180.1; NP_000448.3; NP_849181.1 resp.).
Purity/Purification	Immunoaffinity Purified Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH 7.3, 0.02% Sodium azide, 0.05% BSA.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	474
Applicable Applications for anti-HNF4A antibody	IHC (Immunohistochemistry)
Target	HNF4A/HNF4
Immunogen Description	Synthetic peptide RLSKTLVDMDMADY-C from the N-terminus of human HNF4A / HNF4 (NP_849180.1; NP_000448.3; NP_849181.1).
Immunogen Species	HNF4A/HNF4 was raised against Human.
Immunogen Type	Synthetic peptide
Immunogen	HNF4A / HNF4 antibody was raised against synthetic peptide RLSKTLVDMDMADY-C from the N-terminus of human HNF4A / HNF4 (NP_849180.1; NP_000448.3; NP_849181.1).
Specificity	Human Hnf4a/hnf4. This antibody is expected to recognize the reported isoforms a,b, and c, (NP_000448; NP)849181.1 resp).

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and makes no guarantee of the results. Tissue Preparation: Formalin fixation and embedding in paraffin wax. >Tissue Sectioning: Make 4- um section s and place on pre-cleaned and charged microscope slides. Heat in tissue-drying oven for 45 minutes at 60°C . Deparaffinization: Wash slides in 3 changes of xylene.- 5 minutes each @RT. Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT. Wash slides in 2 changes of 95% alcohol- minutes each @ RT. Wash slides in 1 change of 80% alcohol - 3 minutes @RT. Rinse slides in gentle running distilled water- 5 minutes @RT. Antigen Retrieval Steam slides in 0.01M sodium citrate bufer, pH 6.0 at 99-100°C - 20 minutes. Remove in 1X TBS with Tween (TBST)- 1 minute @ RT. Rinse in 1X TBS with Tween (TBST)- 1 minute @ RT. Immunostaining: Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block- 20 minutes @RT Drain protein block from slides , apply diluted primary antibody- 45 minutes @RT Rinse slides in 1x TBST - 1 minute @ RT. Apply a biotinylated secondary antibdoy appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1x TBST - 1 minute @ RT. Apply alkaline phosphatase streptavidin- 30 minutes @ RT. Rinse slides in 1x TBST - 1 minute @ RT. Apply alkaline phosphatase chromogen substate - 30 miunutes @RT. Wash slides in distilled water - 1 minute @ RT. Dehydrate (This method should only be used if the chromogen substrate is alcohol insoluble(e.g Vector Red DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT. Wash slides in 2 changes of 95% alcohol- 1 minutes each @ RT Wash slides in 3 changes of 100% alcohol- 1 minute each @ RT Wash slides in 3 changes of xylene- 1 minute each @RT Apply coverslip . Preparation and Storage Aliquot and store at -20°C. Avoid freeze-thaw cycles.
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IMAGES



WB (Western Blot)
Antibody (0.1 ug/ml) staining of HepG2 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)
Anti-HNF4A / HNF4 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-HNF4A antibody	Hepatocyte nuclear factor 4 alpha (HNF4 alpha), a NR2 Hepatocyte NF4-Like receptor, is a liver-enriched transcription factor that is involved in the expression of liver-specific genes. HNF4 alpha controls the expression of transcription factor HNF1, which is important in the expression of hepatic genes, including those involved in glucose, cholesterol, and fatty acid metabolism.
Product Categories/Family for anti-HNF4A antibody	Family: NHR; Subfamily: NR2 Hepatocyte NF4-like

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077205
NCBI GeneID	3172
NCBI Accession #	NP_000448.3
NCBI GenBank Nucleotide #	NM_000457.4
UniProt Accession #	P41235; O00659; O00723; Q14540; Q5QPB8; Q6B4V5; Q6B4V6; Q6B4V7; Q92653; Q92654; A5JW41; B2RPP8
Molecular Weight	43,988 Da
NCBI Official Full Name	hepatocyte nuclear factor 4-alpha isoform HNF4alpha2
NCBI Official Synonym Full Names	hepatocyte nuclear factor 4, alpha
NCBI Official Symbol	HNF4A
NCBI Official Synonym Symbols	TCF; HNF4; MODY; FRTS4; MODY1; NR2A1; TCF14; HNF4a7; HNF4a8; HNF4a9; NR2A21; HNF4alpha
NCBI Protein Information	hepatocyte nuclear factor 4-alpha; TCF-14; HNF4alpha10/11/12; transcription factor 14; transcription factor HNF-4; hepatic nuclear factor 4 alpha; nuclear receptor subfamily 2 group A member 1
UniProt Protein Name	Hepatocyte nuclear factor 4-alpha
UniProt Gene Name	HNF4A
UniProt Synonym Gene Names	HNF4; NR2A1; TCF14; HNF-4-alpha; TCF-14
UniProt Entry Name	HNF4A_HUMAN

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.

