

Mouse anti-Human HNF4A Monoclonal Antibody | anti-HNF4A antibody

HNF4A (Hepatocyte Nuclear Factor 4-alpha, HNF-4-alpha, Transcription Factor HNF-4, Nuclear Receptor Subfamily 2 Group A Member 1, Transcription Factor 14, HNF4, NR2A1, TCF14) (HRP)

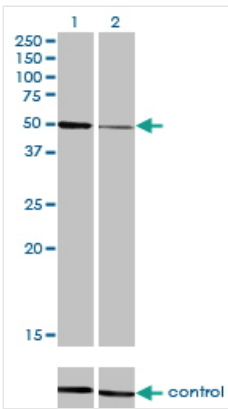
CATALOG # AAA25420	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

HNF4A; Monoclonal Antibody; HNF4A (Hepatocyte Nuclear Factor 4-alpha; HNF-4-alpha; Transcription Factor HNF-4; Nuclear Receptor Subfamily 2 Group A Member 1; Transcription Factor 14; HNF4; NR2A1; TCF14) (HRP); anti-HNF4A antibody

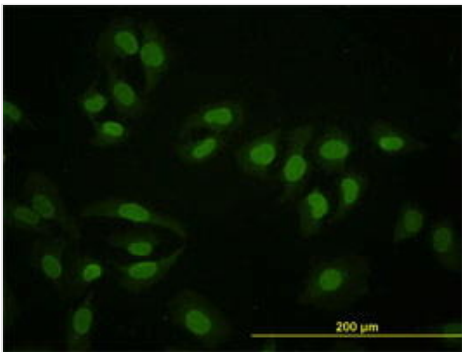
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4E2
Specificity	Recognizes human HNF4A.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-HNF4A antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa324-423 from human HNF4A (NP_000448) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NDRQYDSRGRFGELLLLLPTLQSITWQMIEQIQFIKLFMAKIDNLLQEMLLGGSPSDAPHAHHPLHPHLMQEHMGNTNIVANTMPTHLSNGQMCEWPR
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



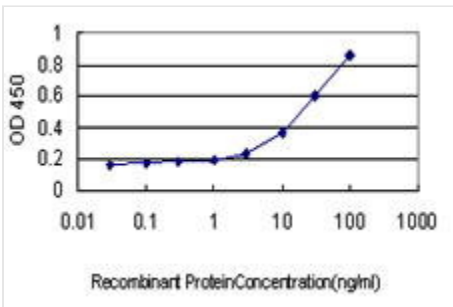
WB (Western Blot)

Western blot analysis of HNF4A over-expressed 293 cell line, cotransfected with HNF4A Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with HNF4A monoclonal antibody GAPDH (36.1kD) used as specificity and loading control.



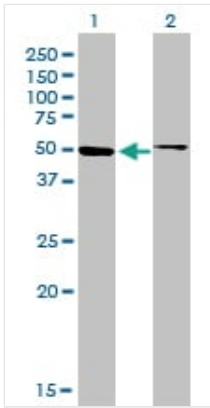
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to HNF4A on HeLa cell. [antibody concentration 10ug/ml]



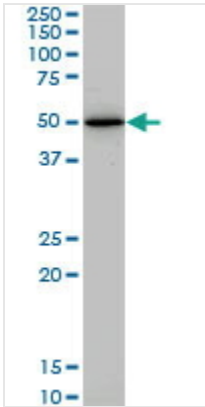
Application Data

Detection limit for recombinant GST tagged HNF4A is ~1ng/ml as a capture antibody.



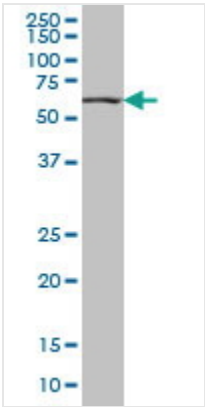
WB (Western Blot)

Western Blot analysis of HNF4A expression in transfected 293T cell line by HNF4A monoclonal antibody. Lane 1: HNF4A transfected lysate (51.6kD). Lane 2: Non-transfected lysate.



WB (Western Blot)

HNF4A monoclonal antibody Western Blot analysis of HNF4A expression in Jurkat.



WB (Western Blot)

HNF4A monoclonal antibody Western Blot analysis of HNF4A expression in HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-HNF4A antibody

The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants.

Product Categories/Family for anti-HNF4A antibody

[Antibodies](#); [Transcription Factors](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077205
NCBI GeneID	3172
NCBI Accession #	NP_000448
NCBI GenBank Nucleotide #	NM_000457
UniProt Accession #	A5JW41 ; O00659 ; O00723 ; Q14540 ; Q5QPB8 ; Q6B4V5 ; Q6B4V6 ; Q6B4V7 ; Q92653 ; Q92654 ; B2RPP8 ; P41235
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; HNF4alpha10/11/12; TCF-14; hepatic nuclear factor 4 alpha; nuclear receptor subfamily 2 group A member 1; transcription factor 14; transcription factor HNF-4
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hnf4a-antibody-clone-4e2-western-blot-elisa/25420>