HNF4A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	HNF4A, Monoclonal Antibody
Full Product Name	HNF4A (Hepatocyte Nuclear Factor 4, alpha, HNF4-alpha, OTTHUMP00000031060, OTTHUMP00000031062, Hepatic Nuclear Factor 4 alpha, Hepatocyte Nuclear Factor 4 alpha, Transcription Factor-14, FLJ39654, HNF4, HNF4a7, HNF4a8, HNF4a9, MODY, MODY1, NR2A1, NR2A21
Product Gene Name	anti-HNF4A antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1F12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human HNF4A.
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. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	43,988 Da
OMIM	125850
3D Structure	ModBase 3D Structure for A5JW41
Immunogen	Recombinant protein corresponding to aa324-423 from human HNF4A with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NDRQYDSRGRFGELLLLLPTLQSITWQMIEQIQFIKLFGMAKIDNLLQEMLLGGSPSDAPHAHHPLHPHLMQEHMGTNVIVANTMPTHLSNGQMCEWPRF
Conjugate	FITC
Product Categories/Family for anti-HNF4A antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-HNF4A antibody	ELISA (EIA), Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-HNF4A antibody	Applications are based on unconjugated antibody.

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.
Other Notes	Small volumes of anti-HNF4A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HNF4A purchase	MBS6150737 is an antibody targeting HNF4A. Also known as HNF4A (Hepatocyte Nuclear Factor 4, alpha, HNF4-alpha, OTTHUMP00000031060, OTTHUMP00000031062, Hepatic Nuclear Factor 4 alpha, Hepatocyte Nuclear Factor 4 alpha, Transcription Factor-14, FLJ39654, HNF4, HNF4a7, HNF4a8, HNF4a9, MODY, MODY1, NR2A1, NR2A21. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNF4A. It may not necessarily be applicable to this product.

NCBI GI #	31077205
NCBI GeneID	3172
NCBI Accession #	NP_000448
UniProt Primary Accession #	A5JW41
UniProt Secondary Accession #	O00659; O00723; Q14540; Q5QPB8; Q6B4V5; Q6B4V6; Q6B4V7; Q92653; Q92654; A5JW41; B2RPP8
UniProt Related Accession #	P41235
GenBank Nucleotide #	NM_000457
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
UniProt Protein Name	Hepatocyte nuclear factor 4-alpha
UniProt Synonym Protein Names	Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4
Protein Family	Hepatocyte nuclear factor
UniProt Gene Name	HNF4A
UniProt Synonym Gene Names	HNF4; NR2A1; TCF14; HNF-4-alpha; TCF-14
UniProt Entry Name	HNF4A_HUMAN
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
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