

HNF1A Antibody (Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM2122a**Specification**

HNF1A Antibody (Ascites) - Product Information

Application	WB,E
Primary Accession	P20823
Other Accession	P15257 , P22361 , NP_000536.4
Reactivity	Human
Predicted	Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	67386
Antigen Region	177-205

HNF1A Antibody (Ascites) - Additional Information**Gene ID** 6927**Other Names**

Hepatocyte nuclear factor 1-alpha, HNF-1-alpha, HNF-1A, Liver-specific transcription factor LF-B1, LFB1, Transcription factor 1, TCF-1, HNF1A, TCF1

Target/Specificity

This HNF1A antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 177-205 amino acids from human HNF1A .

Dilution

WB~~1:100~1600

E~~Use at an assay dependent concentration.

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

HNF1A Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

HNF1A Antibody (Ascites) - Protein Information**Name** HNF1A

Synonyms TCF1

Function Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:[10966642](#), PubMed:[12453420](#)). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:10966642, ECO:0000269|PubMed:38018242}

Tissue Location

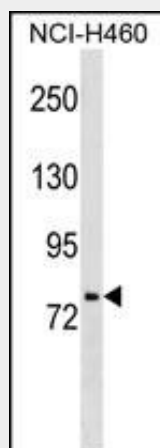
Liver.

HNF1A Antibody (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HNF1A Antibody (Ascites) - Images



HNF1A Antibody (Ascites)(Cat. #AM2122a) western blot analysis in NCI-H460 cell line lysates (35µg/lane). This demonstrates the HNF1A antibody detected the HNF1A protein (arrow).

HNF1A Antibody (Ascites) - Background

The protein encoded by this gene is a transcription factor required for the expression of several liver-specific genes. The encoded protein functions as a homodimer and binds to the inverted palindrome 5'-GTTAATNATTAAC-3'. Defects in this gene are a cause of maturity onset diabetes of the young type 3 (MODY3) and also can result in the appearance of hepatic adenomas.

HNF1A Antibody (Ascites) - References

Jablonski, K.A., et al. Diabetes 59(10):2672-2681(2010)
Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010)
Speliotes, E.K., et al. Hepatology 52(3):904-912(2010)
Ley, S.H., et al. Cardiovasc Diabetol 9, 39 (2010) :
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :