

HNF1A (11Z13) Rabbit Monoclonal Antibody

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Catalog # AP93744

Product Information

Application	WB, IHC-P, ICC, FC, IF
Primary Accession	P20823 , P22361 , P15257
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Calculated MW	67386

Additional Information

Gene ID	6927
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A FC~~1:10~50 IF~~1:50~200
Storage Conditions	-20°C

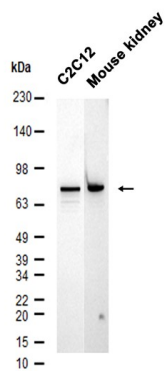
Protein Information

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.

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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

Images



Western blot analysis of extracts from C2C12 cells and Mouse kidney tissue using AP93744 at 1:1000.

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