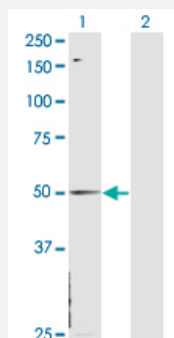


HNF4A monoclonal antibody (M06), clone 4D9

Catalog # H00003172-M06

Size 100 ug

Applications

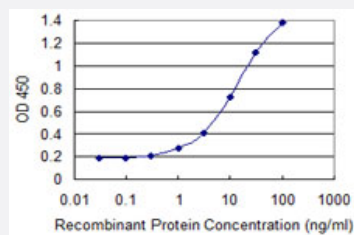


Western Blot (Transfected lysate)

Western Blot analysis of HNF4A expression in transfected 293T cell line by HNF4A monoclonal antibody (M06), clone 4D9.

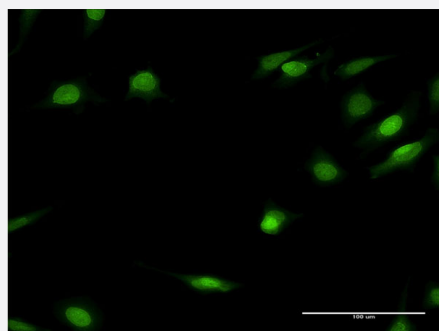
Lane 1: HNF4A transfected lysate (Predicted MW: 51.6 KDa).

Lane 2: Non-transfected lysate.



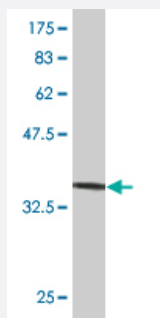
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HNF4A is 0.1 ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HNF4A.
Immunogen	HNF4A (NP_000448, 324 a.a. ~ 423 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NDRQYDSRGRFGELLLLLPTLQSITWQMIEQIQFIKLFGMAKIDNLLQEMLLGGSPSDAPHAHHPLH PHLMQEHMGTNVIVANTMPTHLSNGQMCEWPRP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of HNF4A expression in transfected 293T cell line by HNF4A monoclonal antibody (M06), clone 4D9.

Lane 1: HNF4A transfected lysate (Predicted MW: 51.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HNF4A is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — HNF4A

Entrez GeneID [3172](#)

GeneBank Accession# [NM_000457](#)

Protein Accession# [NP_000448](#)

Gene Name HNF4A

Gene Alias FLJ39654, HNF4, HNF4a7, HNF4a8, HNF4a9, MODY, MODY1, NR2A1, NR2A21, TCF, TCF14

Gene Description hepatocyte nuclear factor 4, alpha

Omim ID [125850 125853 600281](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations HNF4-alpha|OTTHUMP00000031060|OTTHUMP00000031062|hepatic nuclear factor 4 alpha|hepatocyte nuclear factor 4 alpha|transcription factor-14

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Fetal Macrosomia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypoglycemia](#)

- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Persistent Hyperinsulinemia Hypoglycemia of Infancy](#)
- [Prediabetic State](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)