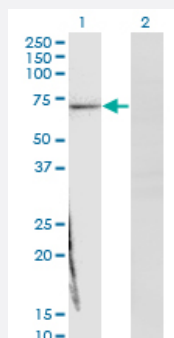


TCF2 monoclonal antibody (M05), clone 4D2

Catalog # H00006928-M05

Size 100 ug

Applications

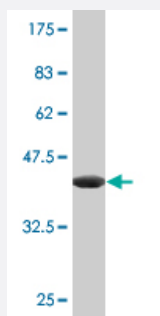


Western Blot (Transfected lysate)

Western Blot analysis of HNF1B expression in transfected 293T cell line by TCF2 monoclonal antibody (M05), clone 4D2.

Lane 1: HNF1B transfected lysate (Predicted MW: 61.3 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (35.90 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TCF2.
Immunogen	TCF2 (NP_000449, 29 a.a. ~ 118 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ALEELLPSPNFGVKLETPLSPGSGAEPDTKPVFHTLTNGHAKGRLSGDEGSDDYDTPPILK ELQALNTEEAQAEVDRMLSEDP
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.90 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 HNF1B expression in transfected 293T cell line by TCF2 monoclonal antibody (M05), clone 4D2.

Lane 1: HNF1B transfected lysate (Predicted MW: 61.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HNF1B

Entrez GeneID

[6928](#)

GeneBank Accession#

[NM_000458](#)

Protein Accession#

[NP_000449](#)

Gene Name

HNF1B

Gene Alias

FJHN, HNF1beta, HNF2, HPC11, LF-B3, LFB3, MODY5, TCF2, VHNF1

Gene Description

HNF1 homeobox B

Omim ID

[125853](#) [137920](#) [189907](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Other Designations

transcription factor 2|transcription factor 2, hepatic|transcription factor 2, hepatic; LF-B3; variant hepatocyte nuclear factor

Pathway

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

Disease

- [Birth Weight](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Diabetes](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [HIV Infections](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)

- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Vesico-Ureteral Reflux](#)
- [Wasting Syndrome](#)