

Anti-HNF-4-alpha Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

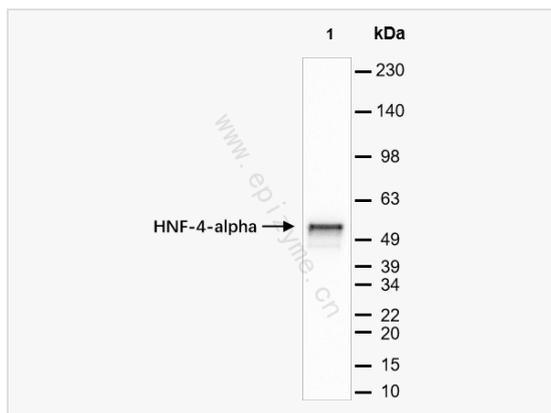
Catalog # R014710

Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:5,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	82E23C27
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human HNF-4-alpha
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-HNF-4-alpha Rabbit mAb [82E23C27] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	FLJ39654, FRTS4, Hepatic nuclear factor 4 alpha, Hepatocyte nuclear factor 4 alpha, Hepatocyte nuclear factor 4, Hepatocyte nuclear factor 4-alpha, HNF 4 alpha, HNF 4, HNF-4-alpha, HNF4, HNF4A, HNF4A_HUMAN, HNF4a7, HNF4a8, HNF4a9, Hnf4alpha, HNF4alpha10/11/12, MODY 1, MODY, MODY1, NR2A1, NR2A21, Nuclear receptor subfamily 2 group A member 1, OTTHUMP00000031060, OTTHUMP00000031062, TCF 14, TCF, TCF-14, TCF14, Tcf4, Transcription factor 14, hepatic nuclear factor, Transcription factor 14, Transcription factor HNF 4, Transcription factor HNF-4, Transcription factor HNF4.
Calculated MW	Calculated MW: 53 kDa; Observed MW: 53 kDa
Uniprot ID	P41235
Gene ID	3172
Background	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 encoding several different isoforms. [provided by RefSeq, Apr 2012]
Cellular Location	Nucleus.



Western Blot - Anti-HNF-4-alpha Rabbit mAb [82E23C27]

All lanes: R014710 at 1:5,000 dilution

Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

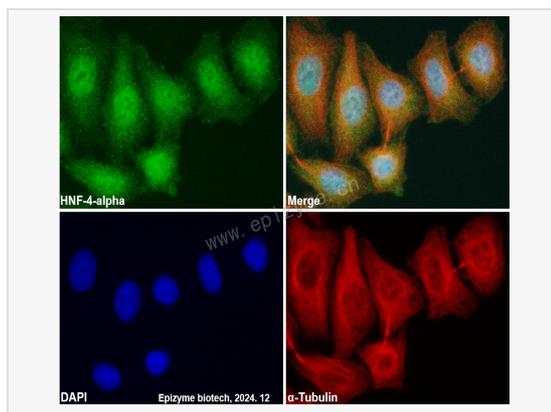
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 53 kDa

Observed band size: 53 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-HNF-4-alpha Rabbit mAb [82E23C27]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014710 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).