

HNF4 alpha (Phospho-Ser304) Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 43043

Format: 100ul at 1.0mg/ml in PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-purified on phosphopeptide; non-phosphopeptide-reactive antibodies were removed by chromatography on non-phosphorylated peptide.

BACKGROUND

Hepatocyte nuclear factor 4 alpha (HNF4 α) is a nuclear transcription factor that binds DNA as a homodimer and controls the expression of several genes including hepatocyte nuclear factor 1, a transcription factor that regulates expression of several hepatic genes. HNF4 α has been implicated in development of liver, kidney, and intestines. Mutations in the *HNF4 α* gene have been associated with monogenic autosomal-dominant non-insulin-dependent diabetes mellitus type 1. Alternative splicing of this gene results in multiple transcript variants.

SPECIFICATION SUMMARY

Antigen: Peptide sequence that includes phosphorylation site of serine 304 (L-R-S(p)-Q-V) derived from human HNF4 α and conjugated to KLH.

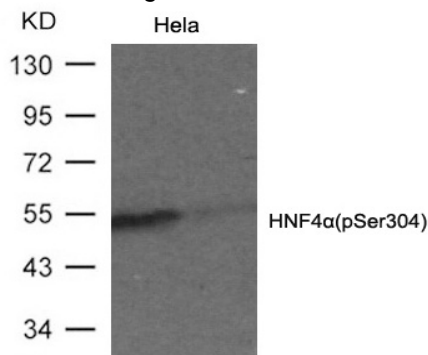
Accession no.: P41235, NP_000448.3

Host Species: Rabbit

Specificity: This antibody detects endogenous human, mouse, and rat HNF4 α only when phosphorylated at serine 304.

APPLICATION

Immunoblotting: use at dilution of 1:1,000. A band of ~52kDa is detected.



Anisomycin + -

Detection of HNF4 α (phospho-Ser304) in extracts of HeLa cells treated or untreated with Anisomycin.

These are recommended working dilutions. Enduser should determine optimal dilutions for their applications

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Can be stored at 4°C for short-term use.

For in vitro investigational use only. Not intended for therapeutic or diagnostic applications.