

HNF4- α (phospho Ser313) rabbit pAb**Cat#: orb764399 (Manual)**

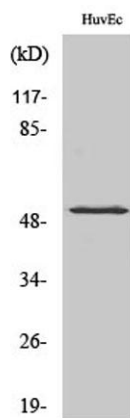
For research use only. Not intended for diagnostic use.

Product Name	HNF4- α (phospho Ser313) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HNF4 alpha around the phosphorylation site of Ser313. AA range:280-329
Specificity	Phospho-HNF4- α (S313) Polyclonal Antibody detects endogenous levels of HNF4- α protein only when phosphorylated at S313.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Hepatocyte nuclear factor 4-alpha
Gene Name	HNF4A
Cellular localization	Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

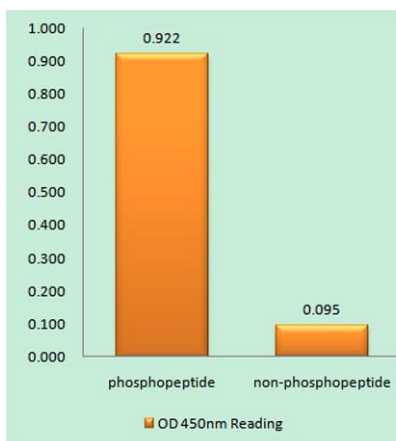
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	3172
Human Swiss-Prot Number	P41235
Alternative Names	HNF4A; HNF4; NR2A1; TCF14; Hepatocyte nuclear factor 4-alpha; HNF-4-alpha; Nuclear receptor subfamily 2 group A member 1; Transcription factor 14; TCF-14; Transcription factor HNF-4

Background

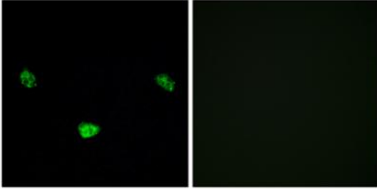
The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play 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],



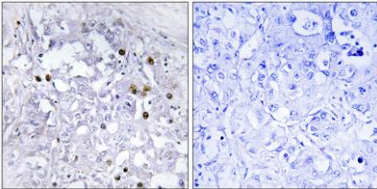
Western Blot analysis of various cells using Phospho-HNF4- α (S313) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using HNF4 alpha (Phospho-Ser313) Antibody



Immunofluorescence analysis of LOVO cells, using HNF4 alpha (Phospho-Ser313) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human liver carcinoma, using HNF4 alpha (Phospho-Ser313) Antibody. The picture on the right is blocked with the phospho peptide.