

Anti human HNF4 alpha mouse monoclonal antibody(ProteinA purified)

Hepatocyte nuclear factor 4 alpha

Code No PP-H1415-0C

Clone No. H1415

Lot. B-1

Concentration 1 mg/mL

Volume 100 uL

Ig Class G2a

Description Hepatocyte nuclear factor 4 alpha (HNF4, HNF4a; NR2A1) is a member of orphan nuclear receptor. HNF4a is expressed in the liver, kidney, intestine and pancreas. Mutation of HNF4a in humans has been associated with maturity-onset diabetes of the young type 1 (MODY1). HNF4 binds to DNA as an exclusive homodimer. The HNF4a gene is alternatively spliced and may generate up to nine different isoforms, HNF4a1 through HNF4a9.

Nomenclature NR2A1

Genbank X87871

Origin Produced in serum-free medium with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human HNF4 alpha (393-461 aa)

Specificity This antibody specifically recognizes human HNF4 alpha 1, 2, 4, 5, 7, 8 and cross reacts with mouse and rat HNF4 alpha 1, 2, 4, 5, 7, 8.

Purification Affinity chromatography with Protein A

Formulation Physiological saline with 0.1% Na₃N as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot 1 ug/mL

Non reducing Western Blot Decide by use

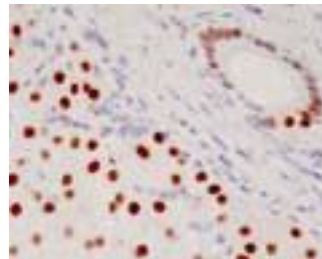
ELISA 0.3 ug/mL

Immunoprecipitation Decide by use

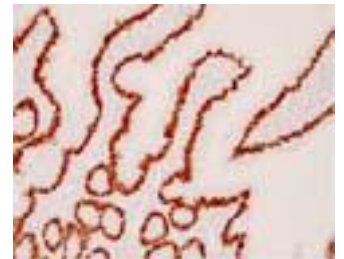
Supershift Assay 2ng/assay

Chromatin immunoprecipitation Decide by use

Immunohistochemistry 10-20 ug/mL



Human Liver
Hepatocyte
Paraffin section



Human
intestinum tenue

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference Tanaka T, *et al.* J Pathol. 2006; 208(5): 662-72
 Sugai M, *et al.* Pathol Int. 2008; 58(11): 681-6

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

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MADE IN JAPAN

Mar 9, 2022