

Anti human HNF4 alpha mouse monoclonal antibody

HNF4 alpha: Hepatocyte Nuclear Factor 4 alpha

Code No	PP-K9218-00 old No. 2ZK9218H
Clone No.	K9218
Lot.	A-2
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	X87870
Origin	Produced in BALB/c mouse ascites after inoculation 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 (3-49 aa).
Specificity	This antibody specifically recognizes human HNF4 alpha 1- 6 and cross reacts with mouse and rat HNF4 alpha 1-6.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ 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 Not yet tested

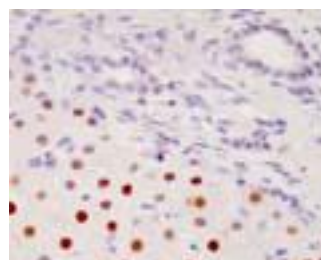
ELISA 0.1 ug/mL

Immunoprecipitation Decide by use

Supershift Assay Decide by use

Chromatin immunoprecipitation Not yet tested

Immunohistochemistry 10-20 ug/mL



Human Liver
Hepatocyte
paraffin section



Rat Intestine
Epithelial cell
paraffin section

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 Jiang S, *et al.* Nuclear Receptor, 1: 5, 2003.
Kamiya A, *et al.* FEBS Lett. 3; 578(1-2): 63-8, 2004.
Tanaka T, *et al.* J. Pathol. 208, 662-672, 2006
Kojima K, *et al.* Pathology, 38(6), 548-554, 2006
Oshima T. *et al.* Pathology International. 57: 82-90. 2007

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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Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

MADE IN JAPAN

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