

Anti human HNF4 alpha7 mouse monoclonal antibody

HNF4 alpha: Hepatocyte Nuclear Factor 4 alpha

Code No	PP-H6939-00
Clone No.	H6939
Lot.	***
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G1
Description	Hepatocyte nuclear factor 4 alpha (HNF4, HNF4a;

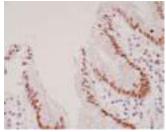
SCHPUOH	ricpatocyte nuclear factor + alpha (rinn +, rinn +a,
•	NR2A1) is a member of orphan nuclear receptor.
	HNF4a is expressed in the liver, kidney, intestine and
	pancreas. Mutation of HNF4a in humans has been
	associated with maturity-onset diabetes of the young
	type 1 (MODY1). HNF4 binds to DNA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

Non reducing Western Blot	3 ug/mL
ELISA	3 ug/mL (A450=0.75)
mmunoprecipitation	Decide by use
Supershift Assay	Not yet tested
Chromatin immunoprecipitation	Not yet tested

In order to obtain the best results, optimal working dilutions should be

1 ug/mL

Immunohistochemistry 10-20 ug/mL



Application / Recommended Concentration

determined by each individual user.

Western Blot



Human Large intestine paraffin section

Rat Large intestine 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.

Notes

Reference Tanaka T, et al. J. Pathol. 208, 662-672, 2006 Oshima T, et al. Pathology International: 57, 82-90, 2007

> Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts

Purification

Specificity

Nomenclature NR2A1

Genbank

Origin

AY680696

alpha 7-9.

Ammonium sulfate fractionation

FOR RESEARCH ONLY. NOT FOR USE IN HUMANS.

human HNF4 alpha (1-16 a.a.)

Formulation

Physiological saline with 0.1% NaN3 as a preservative.

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 a synthetic peptide derived from

This antibody specifically recognizes human HNF4 alpha 7-9 and cross reacts with mouse and rat HNF4

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of water during disposal.

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