



Catalog Number	Product Name	Quantity	Clonality, clone (isotype)	Reactive species	Applications	Reg. Status
417700	Mouse anti-human HNF4 α (clone H1415)	100 μ g	mAb, clone H1415 (Ms IgG2a)	Hu, Ms, Rt	WB, ELISA, IP, EMSA, ChIP, IHC	RUO

Mouse anti-Human Hepatocyte Nuclear Factor 4 α

Description Hepatocyte nuclear factor 4 α (HNF4, HNF4 α ; NR2A1) is a member of the orphan nuclear receptor family. HNF4 α is expressed in liver, kidney, intestine and pancreas tissue. Mutation of HNF4 α in humans has been associated with maturity-onset diabetes of the young type 1 (MODY1). HNF4 binds to DNA as an exclusive homodimer. The HNF4 α gene is alternatively spliced and may generate up to nine different isoforms, HNF4 α 1 through HNF4 α 9.

Nomenclature NR2A1

Genbank X87871

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 α (393-461 aa).

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

Purification Ammonium sulfate fractionation

Formulation Concentration is 1 mg/mL in physiological saline with 0.1% sodium azide as a preservative.

Application	Recommended Concentration*
Western Blot	1 μ g/mL
Non reducing Western Blot	Determine by use
ELISA	0.3 μ g/mL
Immunoprecipitation	Determine by use
Electrophoretic Mobility Shift Assay	2 ng/assay
Chromatin Immunoprecipitation	Determine by use
Immunohistochemistry	10-20 μ g/mL

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

Storage Store at 2 - 8°C up to one month. For long-term storage, the solution may be frozen at -20°C 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* 208 662-672, 2006.

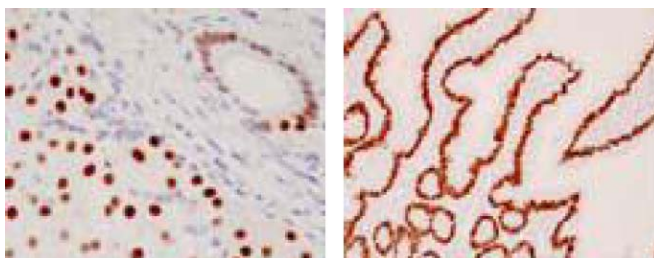
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PI417700

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Related Products

Product	Human hepatocyte and intestine tissue	
Protein A	Paraffin section	
rec-Protein G	Sepharose 4B	10-1241
ZyMAX™ Goat anti-rabbit IgG	Unconjugated	81-6100
ZyMAX™ Goat anti-mouse IgG	Unconjugated	81-6500

Secondary Antibody Conjugates

<i>Conjugate</i>	<i>Goat anti-rabbit IgG (H+L)</i>	<i>Goat anti-mouse IgG (H+L)</i>	<i>Ex/Em*</i>	<i>Fluorescence similar to--</i>
Alexa Fluor® 488	A11008	A11001	495/519	FITC
Alexa Fluor® 555	A21428	A21422	555/565	Cy3
Alexa Fluor® 594	A11012	A11005	590/617	Texas Red®
Alexa Fluor® 647	A21244	A21235	650/668	Cy5
HRP	81-6120	81-6520	NA**	NA
AP	81-6122	81-6522	NA	NA
Biotin	B2770	B2763	NA	NA

*Excitation/emission (nm); **Not applicable

For additional secondary antibody conjugates, visit www.invitrogen.com/antibodies

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