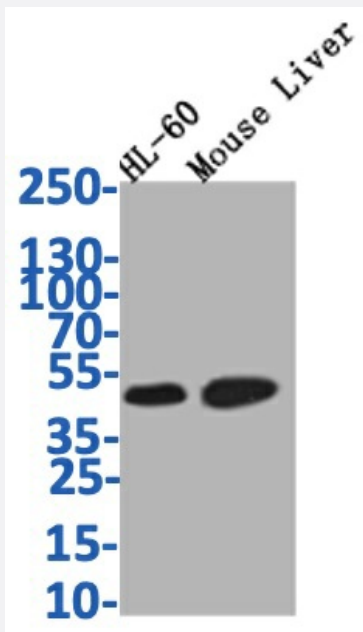


RecomAb™

HNF4A recombinant monoclonal antibody, clone 10A7

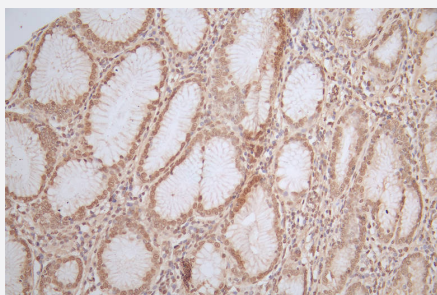
Catalog # RAB07783 Size 100 uL

Applications



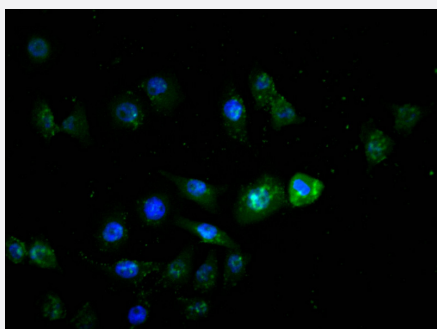
Western Blot

Western Blot analysis of Lane 1: HL-60 whole cell lysate; Lane 2: Rat Liver tissue lysate.



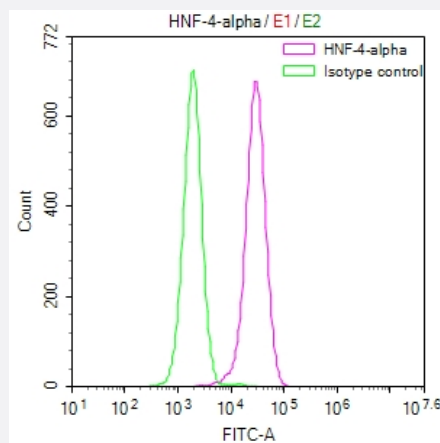
Immunohistochemistry

Immunohistochemistry image of HNF4A recombinant monoclonal antibody, clone 10A7 diluted at 1:50 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system.



Immunofluorescence

Immunofluorescence staining of MCF-7 Cells with HNF4A recombinant monoclonal antibody, clone 10A7 at 1:20, counter-stained with DAPI.



Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with HNF4A recombinant monoclonal antibody, clone 10A7 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and rat HNF4A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human HNF4A.
Theoretical MW (kDa)	Calculated MW: 52
Reactivity	Human, Rat
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis of Lane 1: HL-60 whole cell lysate; Lane 2: Rat Liver tissue lysate.

- Immunohistochemistry

Immunohistochemistry image of HNF4A recombinant monoclonal antibody, clone 10A7 diluted at 1:50 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of MCF-7 Cells with HNF4A recombinant monoclonal antibody, clone 10A7 at 1:20, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with HNF4A recombinant monoclonal antibody, clone 10A7 (red line) at 1:50.

Gene Info — HNF4A

Entrez GeneID [3172](#)

Protein Accession# [P41235](#)

Gene Name HNF4A

Gene Alias FLJ39654, HNF4, HNF4a7, HNF4a8, HNF4a9, MODY, MODY1, NR2A1, NR2A21, TCF, TCF14

Gene Description hepatocyte nuclear factor 4, alpha

Omim ID [125850](#) [125853](#) [600281](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations HNF4-alpha|OTTHUMP00000031060|OTTHUMP00000031062|hepatic nuclear factor 4 alpha|hepatocyte nuclear factor 4 alpha|transcription factor-14

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Coronary Artery Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Fetal Macrosomia](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)

- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypoglycemia](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Neutropenia](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Persistent Hyperinsulinemia Hypoglycemia of Infancy](#)
- [Prediabetic State](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)