

Anti-HNF6 Antibody
Catalog # ABO11524**Specification**

Anti-HNF6 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	Q9UBC0
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 6(ONECUT1) detection. Tested with WB, IHC-P, IHC-F, ICC in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HNF6 Antibody - Additional Information

Gene ID 3175

Other Names

Hepatocyte nuclear factor 6, HNF-6, One cut domain family member 1, One cut homeobox 1, ONECUT1, HNF6, HNF6A

Calculated MW

51023 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse, Rat
Immunohistochemistry(Frozen Section), 0.5-1 µg/ml, Rat, Human, Mouse
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Nucleus.

Tissue Specificity

Highly expressed in liver; lower expression in testis and skin.

Protein Name

Hepatocyte nuclear factor 6

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human HNF6(187-203aa

LGSIHNSQQGLPHYAHP), identical to the related mouse and rat sequences.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the CUT homeobox family.

Anti-HNF6 Antibody - Protein Information

Name ONECUT1

Synonyms HNF6, HNF6A

Function

Transcriptional activator. Binds the consensus sequence 5'- DHWATTGAYTWWD-3' on a variety of gene promoters such as those of HNF3B and TTR. Important for liver genes transcription.

Cellular Location

Nucleus.

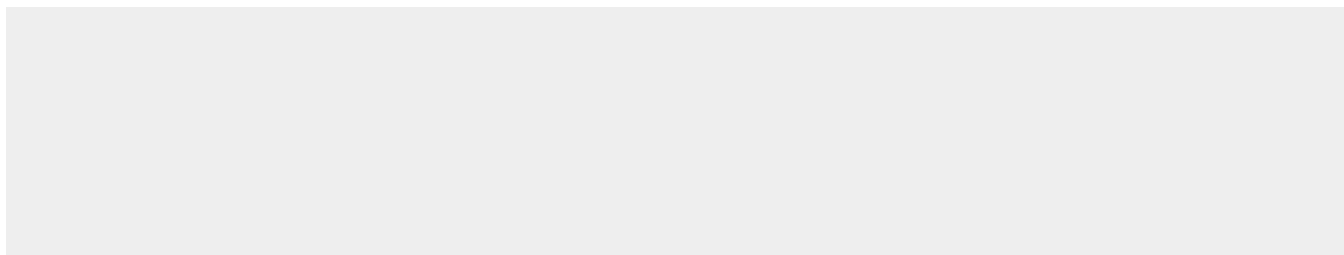
Tissue Location

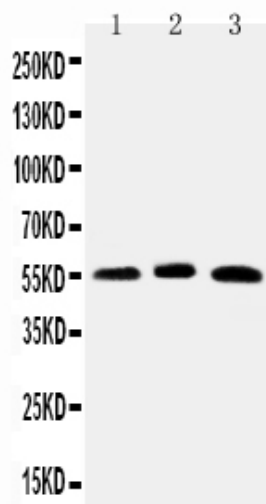
Highly expressed in liver; lower expression in testis and skin

Anti-HNF6 Antibody - Protocols

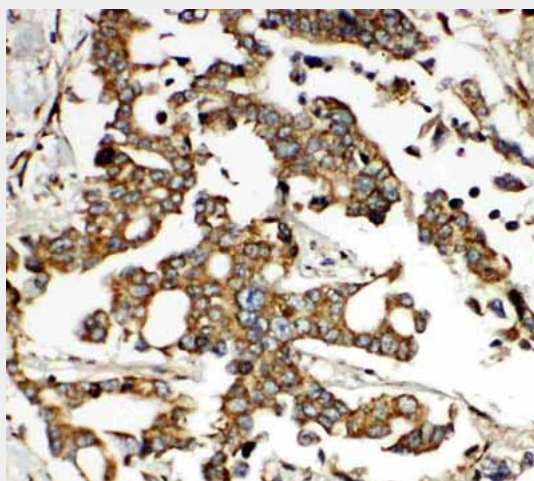
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

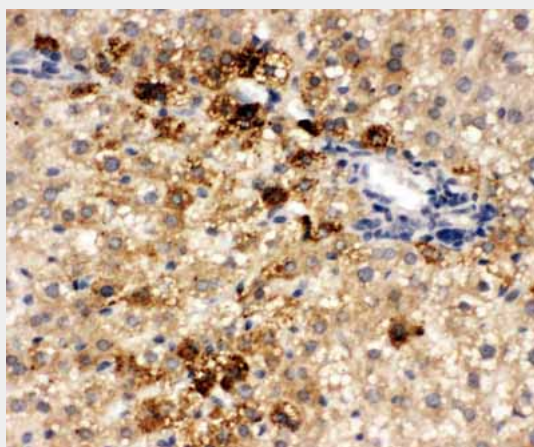
Anti-HNF6 Antibody - Images



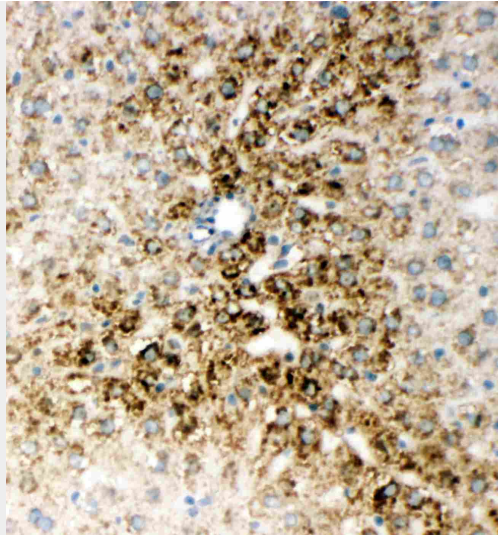
Anti-HNF6 antibody, ABO11524, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Mouse Liver Tissue Lysate
Lane 3: HELA Cell Lysate



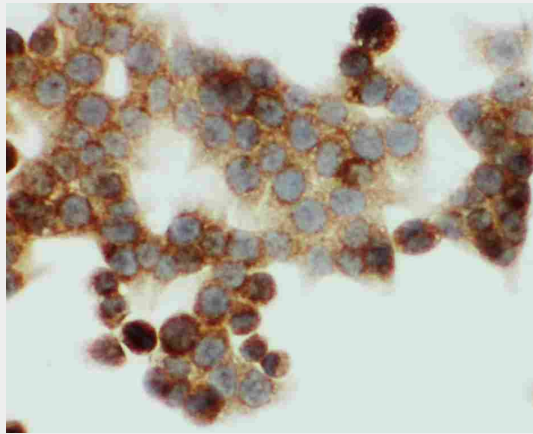
Anti-HNF6 antibody, ABO11524, IHC(P)
IHC(P): Human Liver Cancer Tissue



Anti-HNF6 antibody, ABO11524, IHC(P)
IHC(P): Rat Liver Tissue



Anti-HNF6 antibody, ABO11524, IHC(F)IHC(F): Rat Liver Tissue



Anti-HNF6 antibody, ABO11524, ICCICC: HCT116 Cell

Anti-HNF6 Antibody - Background

One cut homeobox 1(ONECUT1), also called Hepatocyte nuclear factor 6(HNF6) is found strong expression in liver and lower expression in testis and skin. ONECUT1 gene is mapped to 15q21.3. This gene encodes a member of the Cut homeobox family of transcription factors. Expression of the encoded protein is enriched in the liver, where it stimulates transcription of liver-expressed genes, and antagonizes glucocorticoid-stimulated gene transcription. This gene may influence a variety of cellular processes including glucose metabolism, cell cycle regulation, and it may also be associated with cancer.