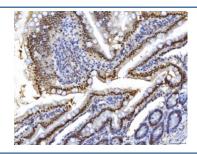


# HNF4A Antibody [clone 6C8E9] (RQ6999)

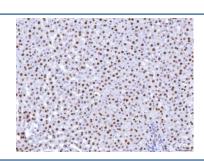
Catalog No.	Formulation	Size
RQ6999	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

# **Bulk quote request**

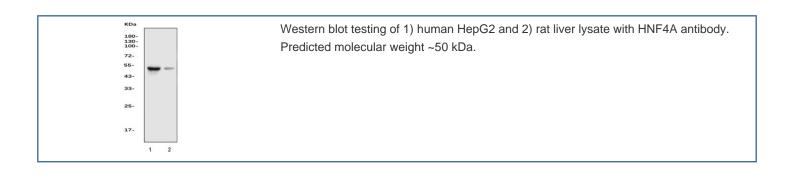
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	6C8E9
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P41235
Localization	Predominantly nuclear, present in cytoplasm in cells with high HNF4A expression
Applications	Western Blot : 0.5-1 ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This HNF4A antibody is available for research use only.



IHC staining of FFPE rat colon tissue with HNF4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat liver tissue with HNF4A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



### **Description**

Hepatocyte nuclear factor 4 alpha (HNF4A), also known as NR2A1, is a nuclear receptor that in humans is encoded by the HNF4A gene. It is mapped to 20q13.12. HNF4A is a nuclear transcription factor that 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 plays a role in development of the liver, kidney, and intestines. HNF4A is required for the PXR and CAR-mediated transcriptional activation of CYP3A4. This gene also plays a pivotal role in the expression and synthesis of SHBG, an important glycoprotein made primarily in the liver, which in addition to lowering insulin-resistance also serves in reducing levels of free Oestrogen as-well as prolonging the half-life of Testosterone.

#### **Application Notes**

Optimal dilution of the HNF4A antibody should be determined by the researcher.

### **Immunogen**

Recombinant human protein (amino acids Q164-I474) was used as the immunogen for the HNF4A antibody.

#### **Storage**

After reconstitution, the HNF4A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.