

**Anti-FOXA3 Picoband Antibody**  
**Catalog # ABO12491****Specification**

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**Anti-FOXA3 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P55318</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Hepatocyte nuclear factor 3-gamma(FOXA3) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

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

**Anti-FOXA3 Picoband Antibody - Additional Information**

**Gene ID** 3171

**Other Names**

Hepatocyte nuclear factor 3-gamma, HNF-3-gamma, HNF-3G, Fork head-related protein FKH H3, Forkhead box protein A3, Transcription factor 3G, TCF-3G, FOXA3, HNF3G, TCF3G

**Calculated MW**

37140 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat<br>

**Subcellular Localization**

Nucleus .

**Tissue Specificity**

Expressed in erythroleukemia and hepatoma cell lines and in liver and pancreas. Not expressed in any other cell lines or tissues examined. .

**Protein Name**

Hepatocyte nuclear factor 3-gamma

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human FOXA3 (291-324aa ELKLDAPYNFNHPFSINNLMSEQTPAPPKLDVGF), different from the related mouse and rat sequences by three amino acids.

**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.**

**Anti-FOXA3 Picoband Antibody - Protein Information**

**Name** FOXA3

**Synonyms** HNF3G, TCF3G

**Function**

Transcription factor that is thought to act as a 'pioneer' factor opening the compacted chromatin for other proteins through interactions with nucleosomal core histones and thereby replacing linker histones at target enhancer and/or promoter sites (By similarity). Originally described as a transcription activator for a number of liver genes such as AFP, albumin, tyrosine aminotransferase, PEPCK, etc. Interacts with the cis-acting regulatory regions of these genes. Involved in glucose homeostasis; binds to and activates transcription from the G6PC1 promoter. Binds to the CYP3A4 promoter and activates its transcription in cooperation with CEBPA. Binds to the CYP3A7 promoter together with members of the CTF/NF-I family. Involved in regulation of neuronal-specific transcription. May be involved in regulation of spermatogenesis.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00089, ECO:0000269|PubMed:19706729}

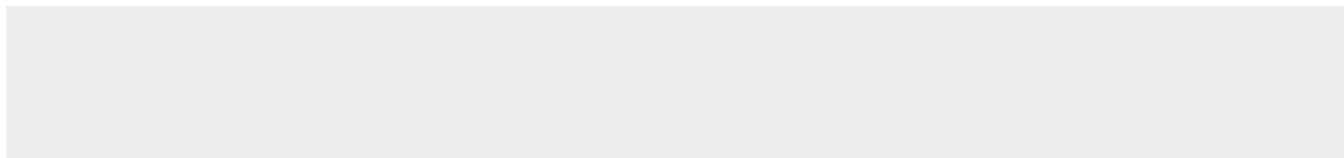
**Tissue Location**

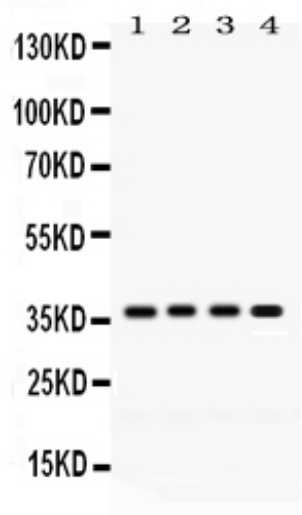
Expressed in erythroleukemia and hepatoma cell lines and in liver and pancreas. Not expressed in any other cell lines or tissues examined.

**Anti-FOXA3 Picoband 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-FOXA3 Picoband Antibody - Images**



Anti- FOXA3 Picoband antibody, ABO12491, Western blotting All lanes: Anti FOXA3 (ABO12491) at 0.5ug/ml  
Lane 1: Rat Liver Tissue Lysate at 50ug  
Lane 2: Rat Pancreas Tissue Lysate at 50ug  
Lane 3: Mouse Liver Tissue Lysate at 50ug  
Lane 4: HELA Whole Cell Lysate at 40ug  
Predicted bind size: 37KD  
Observed bind size: 37KD

#### Anti-FOXA3 Picoband Antibody - Background

Hepatocyte nuclear factor 3-gamma (HNF-3G), also known as forkhead box protein A3 (FOXA3) or transcription factor 3G (TCF-3G), is a protein that in humans is encoded by the FOXA3 gene. This gene is mapped to 19q13.32. HNF-3G is a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. The crystal structure of a similar protein in rat has been resolved.