

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

Anti-FOXA3 Picoband Antibody - Product Information

Application	WB
Primary Accession	P55318
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

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}

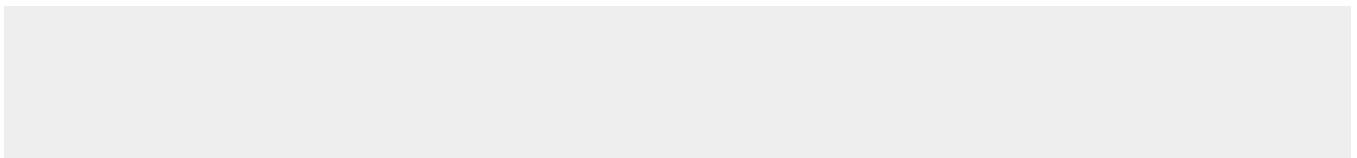
Tissue Location

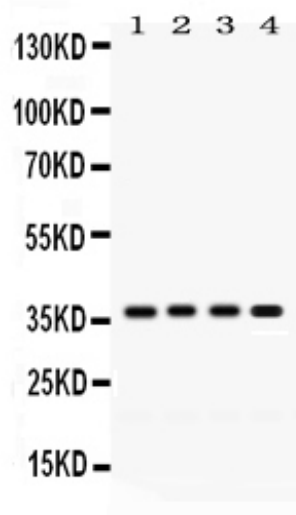
Expressed in erythroleukemia and hepatoma cell lines and in liver and pancreas. Not expressed in any other cell lines or tissues examined.

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.