

Anti-FOXA3 Picoband Antibody

Catalog # ABO12491

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.

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
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. .
Source	Eukaryota
Protein Name	Hepatocyte nuclear factor 3-gamma
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 r° Constitution, 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.

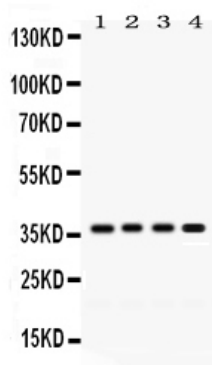
Protein Information

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.

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.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.