

FOXA3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6946b**Specification**

FOXA3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P55318](#)**FOXA3 Antibody (C-term) Blocking Peptide - 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6946b](/products/AP6946b) was selected from the C-term region of human FOXA3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FOXA3 Antibody (C-term) Blocking Peptide - 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.

FOXA3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FOXA3 Antibody (C-term) Blocking Peptide - Images**FOXA3 Antibody (C-term) Blocking Peptide - Background**

FOXA3 is 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.

FOXA3 Antibody (C-term) Blocking Peptide - References

Birrane,G., et.al., Biochemistry 48 (6), 1148-1155 (2009)Boutet,S.C., et.al., Cell 130 (2), 349-362 (2007)