



Rabbit Anti-FOXA3 antibody

SL16159R

Product Name:	FOXA3
Chinese Name:	肝The nucleus因子3抗体
Alias:	FKHH3; Fork head-related protein FKH H3; forkhead box A3; Forkhead box protein A3; Foxa3; FOXA3_HUMAN; hepatic nuclear factor-3-beta; hepatocyte nuclear factor 3; hepatocyte nuclear factor 3 gamma; Hepatocyte nuclear factor 3-gamma; HNF-3-gamma; HNF-3G; HNF3B; HNF3G; TCF-3G; TCF3G; Transcription factor 3G.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FOXA3:51-150/350
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes 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.

[provided by RefSeq, Jul 2008]

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 G6PC 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.

Subcellular Location:

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.

Similarity:

Contains 1 fork-head DNA-binding domain.

SWISS:

P55318

Gene ID:

3171

Database links:

[Entrez Gene: 3171](#) Human

[Entrez Gene: 503622](#) Cow

[Entrez Gene: 15377](#) Mouse

[Entrez Gene: 25100](#) Rat

[Omin: 602295](#) Human

[SwissProt: Q3Y598](#) Cow

[SwissProt: P55318](#) Human

[SwissProt: P35584](#) Mouse

[SwissProt: P32183](#) Rat

[Unigene: 36137](#) Human

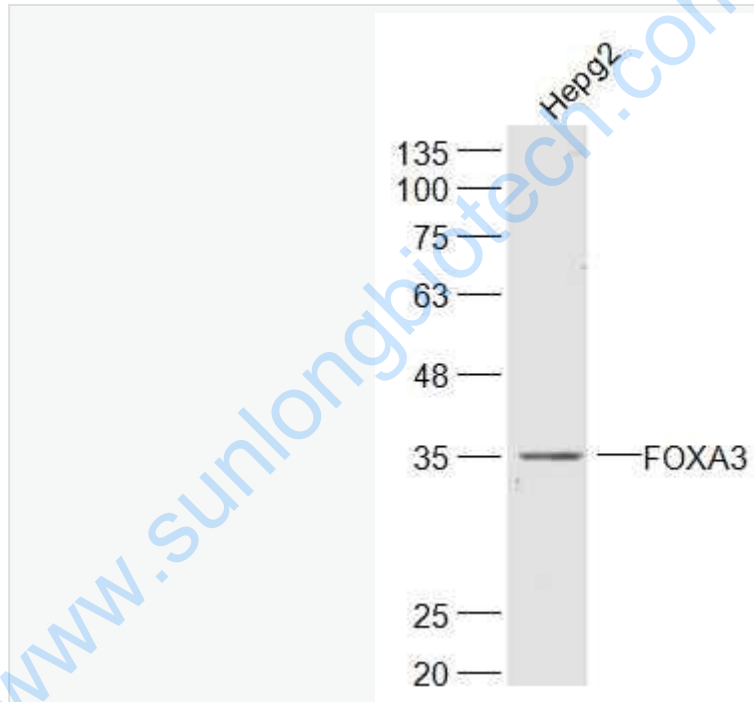
[Unigene: 42260](#) Mouse

[Unigene: 10949](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Hepg2(Human) Cell Lysate at 30 ug

Primary: Anti-FOXA3 (SL16159R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 37 kD

	Observed band size: 37 kD
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