SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FOXA3 antibody

Catalog Number: SL16159R

FOR RESEARCH USE ONLY

[DATASHEET]

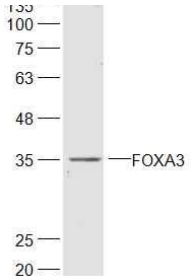
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FOXA3
Immunogen:	KLH conjugated synthetic peptide derived from human FOXA3: 51-150/350
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit)
Predicted MW.:	37kDa
Subcellular Location:	The nucleus
Background:	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

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	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. **Database links:** **Entrez Gene:** 3171 Human **Entrez Gene:** 503622 Cow **Entrez Gene:** 15377 Mouse **Entrez Gene:** 25100 Rat Omim: 602295 Human **SwissProt:** Q3Y598 Cow **SwissProt:** P55318 Human **SwissProt:** P35584 Mouse **SwissProt:** P32183 Rat **Unigene:** 36137 Human **Unigene:** 42260 Mouse **Unigene:** 10949 Rat

[VALIDATION IMAGES]



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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