

ARG58834 anti-FOXA3 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FOXA3
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Hm
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FOXA3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 291-324 of Human FOXA3 (ELKLDAPYNFNHPFSINNLMSEQTPAPPKLDVGF)
Conjugation	Un-conjugated
Alternate Names	TCF3G; Forkhead box protein A3; Fork head-related protein FKH H3; HNF-3-gamma; HNF-3G; TCF-3G; FKHH3; Hepatocyte nuclear factor 3-gamma; Transcription factor 3G; HNF3G

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

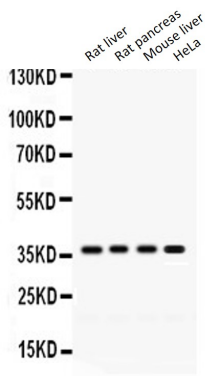
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FOXA3
Gene Full Name	forkhead box A3
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, PEPCCK, 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. [UniProt]
Calculated Mw	37 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG58834 anti-FOXA3 antibody WB image

Western blot: 50 µg of Rat liver, 50 µg of Rat pancreas, 50 µg of Mouse liver and 40 µg of HeLa cell lysates stained with ARG58834 anti-FOXA3 antibody at 0.5 µg/ml dilution.