

anti-Human, Mouse FOXA2 Antibody | anti-FOXA2 antibody

FOXA2 Antibody

CATALOG # AAA266991	REACTIVITY Human, Mouse	APPLICATIONS Western Blot
-------------------------------	-----------------------------------	-------------------------------------

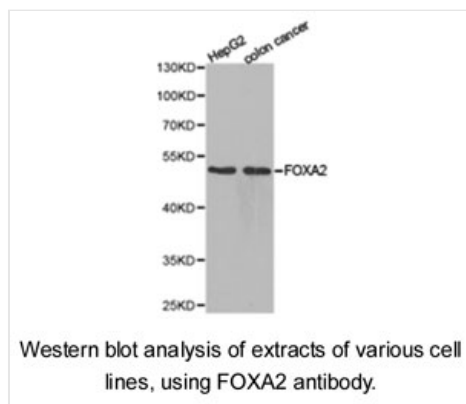
PRODUCT SYNONYMS

FOXA2; FOXA2 Antibody; HNF3B; TCF3B; Hepatocyte nuclear factor 3-beta; Forkhead box protein A2; Transcription factor 3B; anti-FOXA2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Purity/Purification	Affinity purification
Form/Format	In PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	463
Applicable Applications for anti-FOXA2 antibody	WB (Western Blot)
Immunogen	A synthetic peptide of human FOXA2
Preparation and Storage	Store at -20 degree C or -80 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-FOXA2 antibody	Forkhead box protein A2 (FoxA2, also known as hepatocyte nuclear factor 3beta or HNF3beta) is a transcription factor that plays an important role in hepatocyte function (1). FoxA2/HNF3beta is required for the activation of hepatic gluconeogenic gene expression during fasting (1). Together with the PGC-1beta coactivator, FoxA2/HNF3beta stimulates the expression of genes involved in fatty acid beta-oxidation and therefore increases fatty acid metabolism (2). FoxA2/HNF3beta, along with PGC-1beta, also activates the expression of microsomal triacylglycerol transfer protein (MTP) and promotes VLDL secretion (2). In addition to its roles in metabolic syndromes, FoxA2/HNF3beta is essential for development of the endoderm and midline structures in mouse embryos (3-5).
Product Categories/Family for anti-FOXA2 antibody	Autophagy antibody ; Cancer ; Cardiovascular ; Cell Biology ; Epigenetics & Nuclear Signaling ; Developmental Biologys ; Immunology ; Drug Discovery Products ; Metabolism ; Neuroscience ; Signal Transduction ; Stem Cells

References	1. Zhang, L. et al. (2005) Cell Metab 2, 141-8. 2. Wolfrum, C. and Stoffel, M. (2006) Cell Metab 3, 99-110. 3. Levinson-Dushnik, M. and Benvenisty, N. (1997) Mol Cell Biol 17, 3817-22. 4. Weinstein, D.C. et al. (1994) Cell 78, 575-88. 5. Ang, S.L. and Rossant, J. (1994) Cell 78, 561-74.
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	194394143
NCBI GeneID	3170
NCBI Accession #	NP_068556.2
NCBI GenBank Nucleotide #	NM_021784.4
UniProt Accession #	Q9Y261; Q8WUW4; Q96DF7
Molecular Weight	52kDa
NCBI Official Full Name	hepatocyte nuclear factor 3-beta isoform 1
NCBI Official Synonym Full Names	forkhead box A2
NCBI Official Symbol	FOXA2
NCBI Official Synonym Symbols	HNF3B; TCF3B
NCBI Protein Information	hepatocyte nuclear factor 3-beta
UniProt Protein Name	Hepatocyte nuclear factor 3-beta
UniProt Gene Name	FOXA2
UniProt Synonym Gene Names	HNF3B; TCF3B; HNF-3-beta; HNF-3B; TCF-3B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.