

Enogene

FOXA2 Polyclonal Antibody

E92923

Catalog Number: E92923**Amount:** 100ul, 100ug/100ul

Background: Forkhead box protein A2 (FoxA2, also known as hepatocyte nuclear factor 3 β or HNF3 β) is a transcription factor that plays an important role in hepatocyte function (1). FoxA2/HNF3 β is required for the activation of hepatic gluconeogenic gene expression during fasting (1). Together with the PGC-1 β coactivator, FoxA2/HNF3 β stimulates the expression of genes involved in fatty acid β -oxidation and therefore increases fatty acid metabolism (2). FoxA2/HNF3 β , along with PGC-1 β , also activates the expression of microsomal triacylglycerol transfer protein (MTP) and promotes VLDL secretion (2). In addition to its roles in metabolic syndromes, FoxA2/HNF3 β is essential for development of the endoderm and midline structures in mouse embryos (3-5).

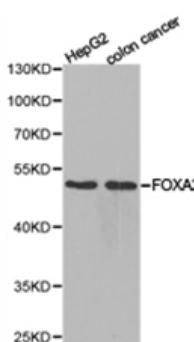
Calculated MW: 52kDa**Form of Antibody:** Rabbit IgG in PBS with 0.02% sodium azide, 50% glycerol, pH7.3.**Storage/Stability:** Store at -20°C or -80°C. Avoid freeze / thaw cycles.**Immunogen:** A synthetic peptide of human FOXA2**Gene ID:** 3170**Synonyms:** FOXA2; HNF3B; TCF3B; Hepatocyte nuclear factor 3-beta; Forkhead box protein A2 ; Transcription factor 3B;**Purification:** Affinity purification**Reactivity:** Human, Mouse**Applications:** WB**Swiss-Prot No.:** Q9Y261

1. Zhang, L. et al. (2005) Cell Metab 2, 141-8.
2. Wolfrum, C. and Stoffel, M. (2006) Cell Metab 3, 99-110.

References:

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.

WB 1:500 - 1:2000



Western blot analysis of extracts of various cell lines, using FOXA2 antibody.

For Research Use Only