FoxA2/HNF3β (D56D6) XP[®] Rabbit mAb





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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit IgG	UniProt ID: #O9Y261	Entrez-Gene Id: 3170		
				- Habberge				
Product Usage		Application				Dilution		
information		Western Blotting				1:1000		
		Immunoprecipitation				1:50		
		Immunofluorescence (Immunocytochem	istry)		1:400		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
		For a carrier free (BSA and azide free) version of this product see product #38775.						
Specificity/Sensitivity		FoxA2/HNF3 eta (D56D6) XP $^{ extsf{B}}$ Rabbit mAb recognizes endogenous levels of total FoxA2/HNF3 eta protein.						
Source / Purifica	ation	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding t residues surrounding Gly138 of human FoxA2/HNF3β protein.				rresponding to		
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).						
Background Re	ferences	1. Zhang, L. et al. (2005) <i>Cell Metab</i> 2, 141-8. 2. Wolfrum, C. and Stoffel, M. (2006) <i>Cell Metab</i> 3, 99-110. 3. Levinson-Dushnik, M. and Benvenisty, N. (1997) <i>Mol Cell Biol</i> 17, 3817-22. 4. Weinstein, D.C. et al. (1994) <i>Cell</i> 78, 575-88. 5. Ang, S.L. and Rossant, J. (1994) <i>Cell</i> 78, 561-74.						
Species Reactiv	ity	Species reactivity is det	termined by testing	g in at least one approve	d application (e.g.,	western blot).		
Western Blot Bเ	uffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Ke	у	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivity	/ Key	H: Human M: Mouse R: Rat						
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