

CA1013	<b>FOXA2</b>	
	<b>Monoclonal Antibody (PR-3G1)</b>	
	<b>Prod. No. S2076-100UG</b>	
	<i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	
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<b>Reacts with</b>	Human*
<b>Tested Applications</b>	WB, ELISA
<b>Host</b>	Mouse
<b>Clone</b>	PR-3G1
<b>Isotype</b>	IgG2a, κ

\*Other species not tested

<b>Size:</b> 100 µg
<b>Immunogen:</b> Recombinant full-length human FOXA2 expressed in <i>E. coli</i> and refolded to soluble form.
<b>Purification:</b> Protein G chromatography
<b>Formulation:</b> 1 mg/ml in PBS Preservative: 0.09% NaN <sub>3</sub>
<b>Storage:</b> Store at 4°C (<3 months) or -20°C. Avoid multiple freeze-thaws.
<b>Recommended Uses:</b>
Western Blot 1:1000
ELISA (detect) 1:1000
Note: Optimal concentrations should be empirically determined.
<b>Target Alternative Names:</b> forkhead box A2; hepatic nuclear factor-3-beta; HNF3β; MGC19807; TCF3B
<b>Target Size:</b> 457 residues; 48.32kDa
<b>Target Database Links:</b>
RefSeq Protein NP_068556
RefSeq Gene NM_021784
SwissProt Q9Y261

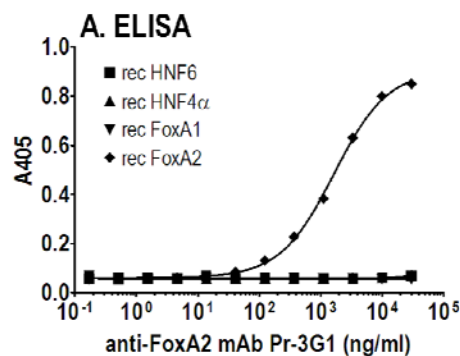
**Background:** FOXA2 is a member of the forkhead box family of DNA-binding proteins. FOXA2 is a hepatocyte nuclear factor (specifically, HNF-3β) that is a transcriptional activator for liver-specific genes such as albumin. During embryonic development, FOXA2 expression is a marker for cells of the definitive (but not primitive) endoderm lineage.

#### Applications:

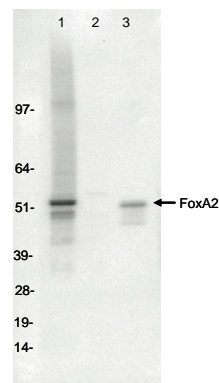
**(A)** Indirect ELISA detection of immobilized FOXA2 immunogen with titrated amounts of FOXA2 monoclonal antibody (PR-3G1). No binding is seen to other recombinant proteins in the FOX/ HNF family.

**(B)** Western blot detection of FOXA2 using 1.0 µg/ml FOXA2 mAb (PR-3G1): (1) 7.5 µg HEK-293-FOXA2 transfectant cell lysate, (2) 7.5 µg untransfected HEK-293 cell lysate, and (3) 40 ng FOXA2 recombinant protein.

Note: Representative data are shown (not Lot-specific).



#### B. Western blot



**Warranty:** Each Lot has been verified to meet quality specifications in accordance with testing guidelines. We will replace the product if it does not conform to specifications. Product guaranteed for 6 months from date of purchase if stored as directed. This product must not be resold without written permission from Primorigen Biosciences.

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