

CA1013	FOXA2	
	Monoclonal Antibody (PR-3G1)	
	Prod. No. S2076-100UG	
	<i>For Research Use Only</i> <i>Not intended for use in humans or animals</i>	
	Orders & Support Web	866 372-7442 support@primorigen.com www.primorigen.com

Reacts with	Human*
Tested Applications	WB, ELISA
Host	Mouse
Clone	PR-3G1
Isotype	IgG2a, κ

*Other species not tested

Size: 100 μ g
Immunogen: Recombinant full-length human FOXA2 expressed in <i>E. coli</i> and refolded to soluble form.
Purification: Protein G chromatography
Formulation: 1 mg/ml in PBS Preservative: 0.09% NaN ₃
Storage: Store at 4°C (<3 months) or -20°C. Avoid multiple freeze-thaws.
Recommended Uses:
Western Blot 1:1000
ELISA (detect) 1:1000
Note: Optimal concentrations should be empirically determined.
Target Alternative Names: forkhead box A2; hepatic nuclear factor-3-beta; HNF3 β ; MGC19807; TCF3B
Target Size: 457 residues; 48.32kDa
Target Database Links:
RefSeq Protein NP_068556
RefSeq Gene NM_021784
SwissProt Q9Y261

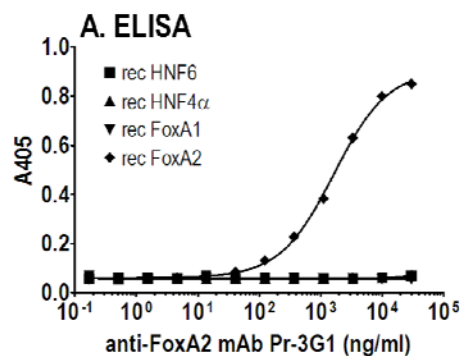
Background: FOXA2 is a member of the forkhead box family of DNA-binding proteins. FOXA2 is a hepatocyte nuclear factor (specifically, HNF-3 β) that is a transcriptional activator for liver-specific genes such as albumin. During embryonic development, FOXA2 expression is a marker for cells of the definitive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

Applications:

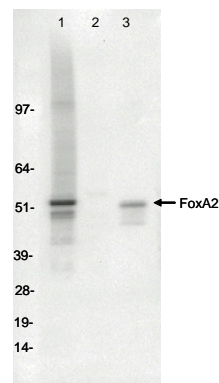
(A) Indirect ELISA detection of immobilized FOXA2 immunogen with titrated amounts of FOXA2 monoclonal antibody (PR-3G1). No binding is seen to other recombinant proteins in the FOX/ HNF family.

(B) Western blot detection of FOXA2 using 1.0 μ g/ml FOXA2 mAb (PR-3G1): (1) 7.5 μ g HEK-293-FOXA2 transfectant cell lysate, (2) 7.5 μ g 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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