

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

FOXA2 (Hepatocyte Nuclear Factor 3-beta, HNF-3-beta, HNF-3B, Forkhead Box Protein A2, Transcription Factor 3B, TCF-3B, HNF3B, TCF3B), MGC19807) APC

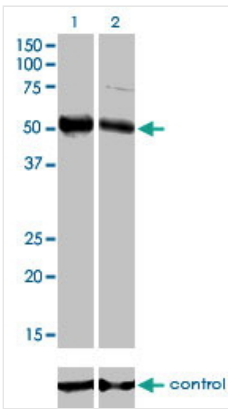
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24512	Mouse	Human	ELISA, Immunofluorescence, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

FOXA2; Monoclonal Antibody; FOXA2 (Hepatocyte Nuclear Factor 3-beta; HNF-3-beta; HNF-3B; Forkhead Box Protein A2; Transcription Factor 3B; TCF-3B; HNF3B; TCF3B); MGC19807) APC; anti-FOXA2 antibody

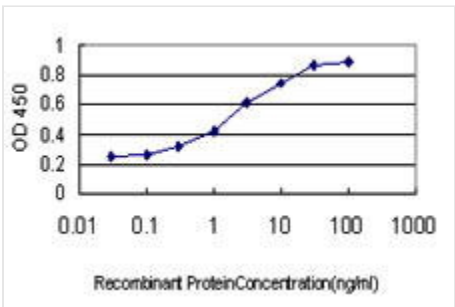
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	7E6
Specificity	Recognizes human FOXA2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-FOXA2 antibody	ELISA, IF (Immunofluorescence), IP (Immunoprecipitation), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa363-457 from human FOXA2 (NP_068556) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	HLKPEHHYAFNHPFSINNLMSSSEQQHHHSHHHQPHKMDLKAYEQVMHYPGYGSPMPGSLAMGPVTNKTGLDASPLAADTSYYQGVYSRPIMNSS
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



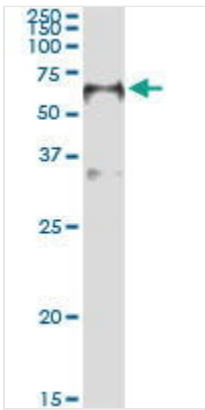
WB (Western Blot)

Western blot analysis of FOXA2 over-expressed 293 cell line, cotransfected with FOXA2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with FOXA2 monoclonal antibody GAPDH (36.1kD) used as specificity and loading control.



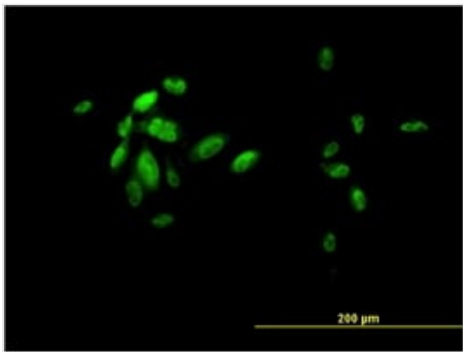
Application Data

Detection limit for recombinant GST tagged FOXA2 is ~0.03ng/ml as a capture antibody.



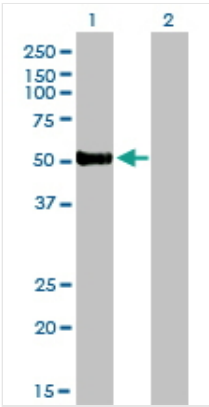
IP (Immunoprecipitation)

Immunoprecipitation of FOXA2 transfected lysate using FOXA2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with FOXA2 rabbit polyclonal antibody.



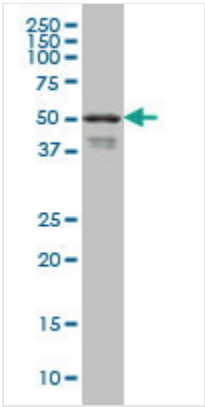
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to FOXA2 on HepG2 cell. [antibody concentration 10ug/ml]



WB (Western Blot)

Western Blot analysis of FOXA2 expression in transfected 293T cell line by FOXA2 monoclonal antibody Lane 1: FOXA2 transfected lysate (48.3kD). Lane 2: Non-transfected lysate.



WB (Western Blot)

FOXA2 monoclonal antibody Western Blot analysis of FOXA2 expression in HepG2.

ADDITIONAL INFORMATION

Product Categories/Family for anti-FOXA2 antibody	Antibodies; Transcription Factors
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194394143
NCBI GeneID	3170
NCBI Accession #	NP_068556
NCBI GenBank Nucleotide #	NM_021784
UniProt Accession #	Q9Y261; Q8WUW4; Q96DF7
Molecular Weight	Predicted: 51 kDa Observed: 54 kDa
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; HNF-3B; TCF-3B; HNF-3-beta; forkhead box protein A2; transcription factor 3B; hepatic nuclear factor-3-beta; 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
UniProt Entry Name	FOXA2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/foxa2-antibody-clone-7e6-immunofluorescence-immunoprecipitation-western-blot-elisa/24512>