

FOXA2 Polyclonal Antibody | anti-FOXA2 antibody

Goat Polyclonal to Human FOXA2

CATALOG # AAA51048	HOST FOXA2 antibody was produced in Goat	REACTIVITY Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit, Chicken, Xenopus	APPLICATIONS ELISA, Western Blot, Immunohistochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

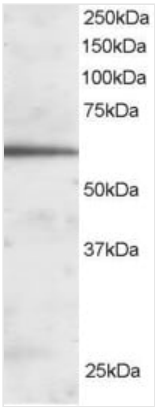
FOXA2; Polyclonal Antibody; Goat Polyclonal to Human FOXA2; Anti-FOXA2 Antibody (C-Terminus) IHC-plus; HNF3B; HNF-3-beta; HNF-3B; TCF3B; Transcription factor 3B; Forkhead box A2; Forkhead box protein A2; Hepatic nuclear factor-3-beta; TCF-3B; Human FOXA2; anti-FOXA2 antibody

PRODUCT SPECIFICATIONS

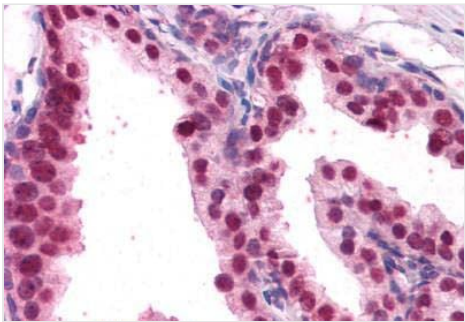
Host	FOXA2 antibody was produced in Goat
Reactivity	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit, Chicken, Xenopus
Clonality	Polyclonal
Specificity	Human FOXA2. This antibody is expected to recognise both reported isoforms
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH 7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-FOXA2 antibody	ELISA (Peptide ELISA), WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	FOXA2
Family	Transcription factor/ not assigned-transcription factor
Immunogen Species	FOXA2 antibody was raised against Human
Immunogen	FOXA2 antibody was raised against peptide with sequence C_GVYSRPIMNSS, from C-Terminus of protein sequence according to NP_068556.NP_710141.1.
Epitope	aa453-463
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store at -20°C. Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)
Antibody staining (1 ug/ml) of Human Liver lysate (RIPA buffer, 30 ug total protein per lane).
Primary incubated for 1 hour. Detected by Western blot of chemiluminescence.



IHC (Immunohistochemistry)
Anti-FOXA2 antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.

ADDITIONAL INFORMATION

Product Categories/Family for anti-FOXA2 antibody	Family: Transcription factor
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194394143
NCBI GeneID	3170
NCBI Accession #	NP_068556.2
NCBI GenBank Nucleotide #	NM_021784.4
UniProt Accession #	Q9Y261; Q8WUW4; Q96DF7
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.