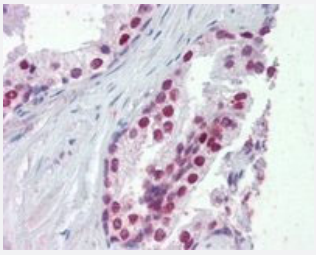
FOXA1 polyclonal antibody

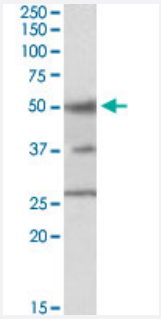
Catalog # PAB6418 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

FOXA1 polyclonal antibody (Cat # PAB6418) (5 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot (Cell lysate)

FOXA1 polyclonal antibody (Cat # PAB6418) staining (1 ul/mL) of HepG2 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of FOXA1.
Immunogen	A synthetic peptide corresponding to C-terminus of human FOXA1.
Sequence	C-GVYSRPVLNTS
Host	Goat
Theoretical MW (kDa)	49.1
Reactivity	Human, Mouse
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western blot (0.2-0.6 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  FOXA1 polyclonal antibody (Cat # PAB6418) (5 ug/mL) staining of paraffin embedded human prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

- ChIP

- Western Blot (Cell lysate)

  FOXA1 polyclonal antibody (Cat # PAB6418) staining (1 ul/mL) of HepG2 cell lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — FOXA1

Entrez GeneID	3169
Protein Accession#	NP_004487.2
Gene Name	FOXA1
Gene Alias	HNF3A, MGC33105, TCF3A
Gene Description	forkhead box A1
Omim ID	602294

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte n uclear factors are transcriptional activators for liver-specific transcripts such as albumin and transt hyretin, and they also interact with chromatin. Similar family members in mice have roles in the reg ulation of metabolism and in the differentiation of the pancreas and liver. [provided by RefSeq
Other Designations	hepatocyte nuclear factor 3, alpha

Publication Reference

- Chromosome-wide mapping of estrogen receptor binding reveals long-range regulation requiring the forkhead protein FoxA1.

  Carroll JS, Liu XS, Brodsky AS, Li W, Meyer CA, Szary AJ, Eeckhoute J, Shao W, Hestermann EV, Geistlinger TR, Fox EA, Silver PA, Brown M.

  Cell 2005 Jul; 122(1):33.

  Application: WB-Tr, Human, MCF-7 cells

- Transcription factor interactions and chromatin modifications associated with p53-mediated, developmental repression of the alpha-fetoprotein gene.

  Nguyen TT, Cho K, Stratton SA, Barton MC.

  Molecular and Cellular Biology 2005 Mar; 25(6):2147.

Disease

- Breast cancer
- Breast Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.