

Product datasheet for **AP22568PU-N**

FOXA1 (429-439) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/8000. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/8000, 0.3 - 1 µg/ml.
Reactivity:	Human, Mouse, Rat, Bovine, Bat, Hamster, Monkey, Porcine, Xenopus, Zebrafish
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from C-term of human FOXA1
Specificity:	This antibody reacts to FOXA1 at aa 429-439.
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	forkhead box A1
Database Link:	Entrez Gene 15375 Mouse Entrez Gene 25098 Rat Entrez Gene 3169 Human P55317



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Background:

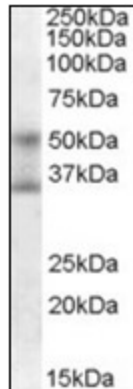
Transcription factor that is involved in embryonic development, establishment of tissue-specific gene expression and regulation of gene expression in differentiated tissues. Is thought to act as a 'pioneer' factor opening the compacted chromatin for other proteins through interactions with nucleosomal core histones and thereby replacing linker histones at target enhancer and/or promoter sites. Binds DNA with the consensus sequence 5'-[AC]A[AT]T[AG]TT[GT][AG][CT]T[CT]-3' (By similarity).

Synonyms:

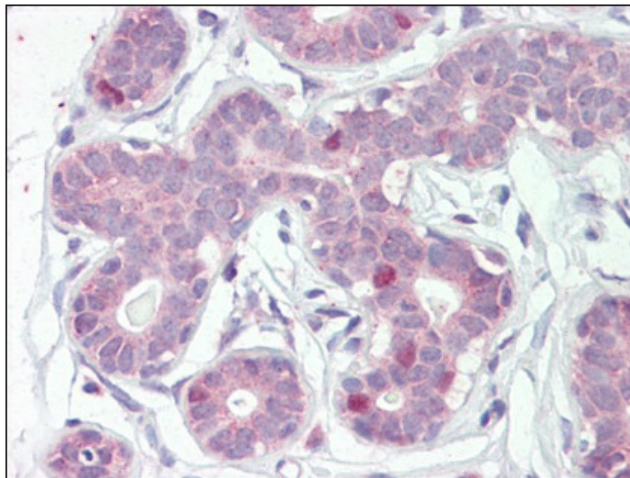
Forkhead box protein A1, HNF3A, HNF-3A, HNF-3-alpha, TCF-3A

Protein Families:

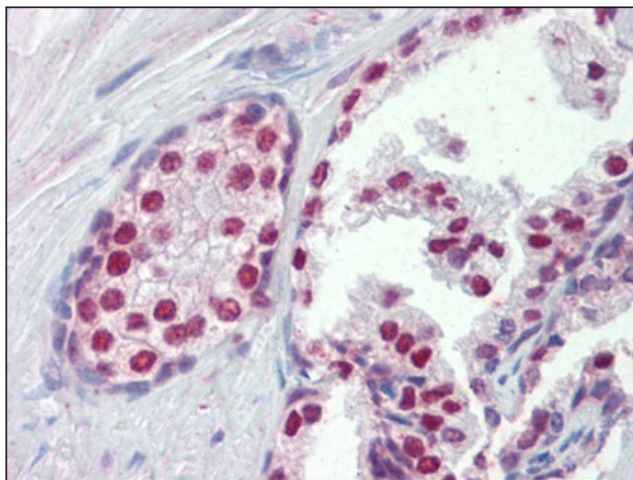
ES Cell Differentiation/IPS, Transcription Factors

Product images:


Antibody (0.3 µl/ml) staining of HepG2 cell lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Human Breast (formalin-fixed, paraffin-embedded) stained with FOXA1 antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Prostate (formalin-fixed, paraffin-embedded) stained with FOXA1 antibody followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.