Mouse anti-Human FOXA1 Monoclonal Antibody | anti-FOXA1 antibody

FOXA1 (Forkhead Box A1, Hepatocyte Nuclear Factor 3 alpha, HNF-3-alpha, HNF3A, HNF-3A, MGC33105, Transcription Factor 3A, TCF3A, TCF-3A) (AP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24215	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

FOXA1; Monoclonal Antibody; FOXA1 (Forkhead Box A1; Hepatocyte Nuclear Factor 3 alpha; HNF-3-alpha; HNF3A; HNF-3A; MGC33105; Transcription Factor 3A; TCF3A; TCF-3A) (AP); anti-FOXA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D7
Specificity	Recognizes human FOXA1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-FOXA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa367-472 from human FOXA1 (NP_004487) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LASVPASHPAHGLAPHESQLHLKGDPHYSFNHPFSINNLMSSSEQQHKLDFKAYEQALQYSPYGSTLPASLPLGSASVTTRSPIEPSALEPAYYQGVYSR
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of FOXA1 over-expressed 293 cell line, cotransfected with FOXA1 Validated Chimera RNAi ((Lane 2) or non-transfected control (Lane 1). Blot probed with FOXA1 monoclonal antibody GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged FOXA1 is ~0.03ng/ml as a capture antibody.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to FOXA1 on formalin-fixed paraffin-embedded human prostate. [antibody concentration 3ug/ml]

WB (Western Blot)
Western Blot analysis of FOXA1 expression in transfected 293T cell line by FOXA1 monoclonal antibody Lane 1: FOXA1 transfected lysate (49.1kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
FOXA1 monoclonal antibody Western Blot analysis of FOXA1 expression in HepG2

WB (Western Blot)
Western Blot detection against Immunogen (37.4kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-FOXA1 antibody	Antibodies; Transcription Factors
References	1. Association of GATA3, P53, Ki67 status and vascular peritumoral invasion are strongly prognostic in luminal breast cancer. Jacquemier J, Charafe-Jauffret E, Monville F, Esterni B, Extra JM, Houvenaeghel G, Xerri L, Bertucci F, Birnbaum D.Breast Cancer Res. 2009;11(2):R23. Epub 2009 Apr 30. 2. Estrogen induces repression of the breast cancer and salivary gland expression gene in an estrogen receptor alpha-dependent manner. Bretschneider N, Brand H, Miller N, Lowery AJ, Kerin MJ, Gannon F, Denger S.Cancer Res. 2008 Jan 1;68(1):106-14.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24497501
NCBI GeneID	3169
NCBI Accession #	NP_004487
NCBI GenBank Nucleotide #	NM_004496
UniProt Accession #	P55317; Q9H2A0; B2R9H6; B7ZAP5
Molecular Weight	52 kDa
NCBI Official Full Name	hepatocyte nuclear factor 3-alpha
NCBI Official Synonym Full Names	forkhead box A1
NCBI Official Symbol	FOXA1
NCBI Official Synonym Symbols	HNF3A; TCF3A
NCBI Protein Information	hepatocyte nuclear factor 3-alpha; HNF-3A; TCF-3A; HNF-3-alpha; forkhead box protein A1; transcription factor 3A
UniProt Protein Name	Hepatocyte nuclear factor 3-alpha
UniProt Gene Name	**FOXA1**
UniProt Synonym Gene Names	HNF3A; TCF3A; HNF-3-alpha; HNF-3A; TCF-3A
UniProt Entry Name	FOXA1_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/foxa1-antibody-clone-2d7-immunohistochemistry-western-blot-elisa/24215