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FOXA1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant FOXA1.
Catalog # AT2082a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P55317
Other Accession	NM_004496
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1B1
Calculated MW	49148

Additional Information

Gene ID	3169
Other Names	Hepatocyte nuclear factor 3-alpha, HNF-3-alpha, HNF-3A, Forkhead box protein A1, Transcription factor 3A, TCF-3A, FOXA1, HNF3A, TCF3A
Target/Specificity	FOXA1 (NP_004487, 367 a.a. ~ 472 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FOXA1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

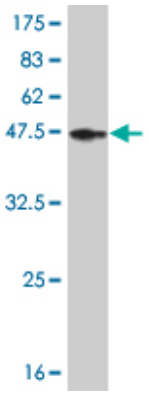
This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver.

References

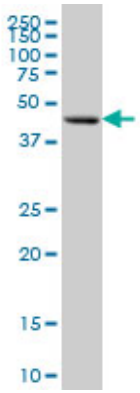
[Diagnostic and prognostic significance of FOXA1 expression in molecular subtypes of breast invasive ductal carcinomas] Liu N, et al. Zhonghua Yi Xue Za Zhi, 2010 May 25. PMID 20646630.FOXA1 is an essential

determinant of ERalpha expression and mammary ductal morphogenesis. Bernardo GM, et al. Development, 2010 Jun. PMID 20501593.Loss of FOXA1/2 is essential for the epithelial-to-mesenchymal transition in pancreatic cancer. Song Y, et al. Cancer Res, 2010 Mar 1. PMID 20160041.ErbB3 binding protein 1 represses metastasis-promoting gene anterior gradient protein 2 in prostate cancer. Zhang Y, et al. Cancer Res, 2010 Jan 1. PMID 20048076.Forkhead box A1 transcriptional pathway in KRT7-expressing esophageal squamous cell carcinomas with extensive lymph node metastasis. Sano M, et al. Int J Oncol, 2010 Feb. PMID 20043065.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.4 KDa) .

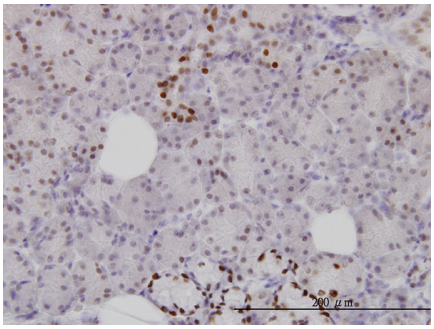


FOXA1 monoclonal antibody (M02), clone 1B1 Western Blot analysis of FOXA1 expression in HepG2 ((Cat # AT2082a)

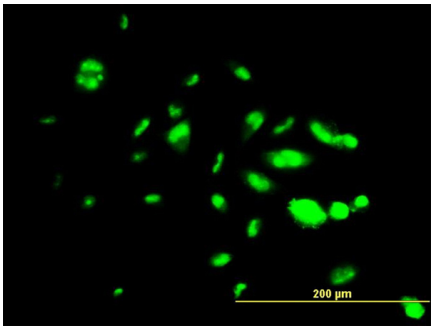


Western Blot analysis of FOXA1 expression in transfected 293T cell line by FOXA1 monoclonal antibody (M02), clone 1B1.

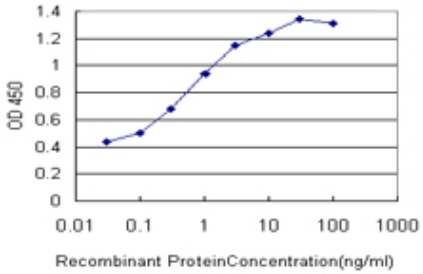
Lane 1: FOXA1 transfected lysate(49.1 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to FOXA1 on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to FOXA1 on HepG2 cell. [antibody concentration 10 ug/ml]



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.