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FATE1 Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant FATE1.
Catalog # AT2004a

Product Information

Application	WB, IHC, E
Primary Accession	Q969F0
Other Accession	NM_033085
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B1
Calculated MW	20712

Additional Information

Gene ID	89885
Other Names	Fetal and adult testis-expressed transcript protein, Cancer/testis antigen 43, CT43, Tumor antigen BJ-HCC-2, FATE1, FATE
Target/Specificity	FATE1 (NP_149076, 2 a.a. ~ 100 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 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	FATE1 Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

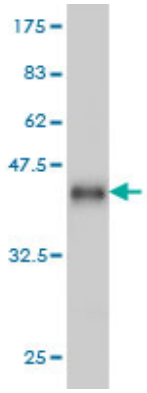
This gene encodes a cancer-testis antigen that is highly expressed in hepatocellular carcinomas and other tumors and weakly expressed in normal tissues except testis. The protein is strongly expressed in spermatogonia, primary spermatocytes, and Sertoli cells in seminiferous tubules. This protein may have a role in the control of early testicular differentiation and cell proliferation.

References

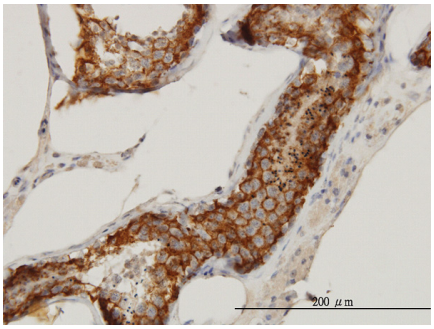
Increased steroidogenic factor-1 dosage triggers adrenocortical cell proliferation and cancer. Doghman M, et al. Mol Endocrinol, 2007 Dec. PMID 17761949.A protein-protein interaction network for human inherited

ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569.The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.Immunohistochemical analysis of the expression of FATE/BJ-HCC-2 antigen in normal and malignant tissues. Yang XA, et al. Lab Invest, 2005 Feb. PMID 15580283.

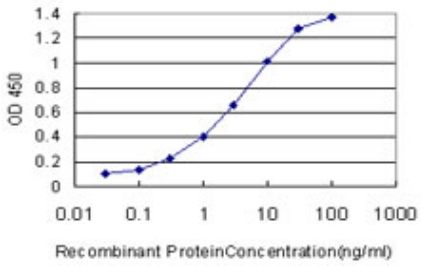
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Immunoperoxidase of monoclonal antibody to FATE1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged FATE1 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'.