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FATE1 Antibody (monoclonal) (M08)

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

Specification

FATE1 Antibody (monoclonal) (M08) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q969F0
Other Accession	NM_033085
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**20712**

FATE1 Antibody (monoclonal) (M08) - 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

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.

FATE1 Antibody (monoclonal) (M08) - Protocols

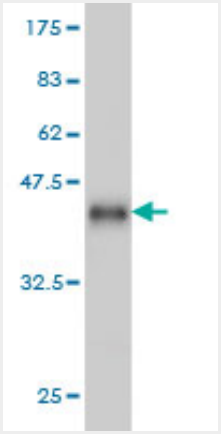
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

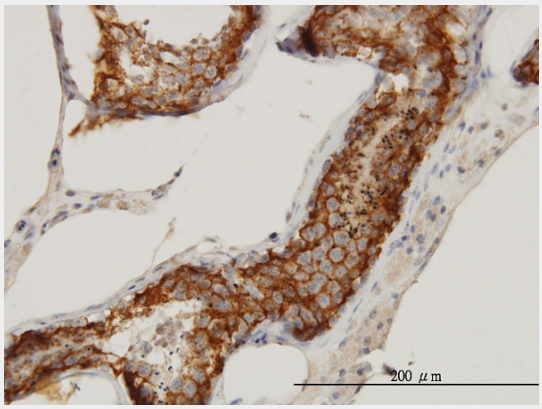
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

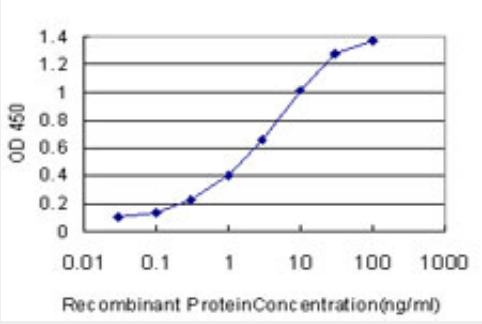
FATE1 Antibody (monoclonal) (M08) - Images



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.

FATE1 Antibody (monoclonal) (M08) - 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.

FATE1 Antibody (monoclonal) (M08) - 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.