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FUBP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FUBP1.
Catalog # AT2117a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q96AE4
Other Accession	NM_003902
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3H4
Calculated MW	67560

Additional Information

Gene ID	8880
Other Names	Far upstream element-binding protein 1, FBP, FUSE-binding protein 1, DNA helicase V, hDH V, FUBP1
Target/Specificity	FUBP1 (NP_003893, 27 a.a. ~ 136 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	FUBP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

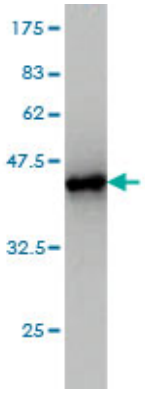
This gene encodes a ssDNA binding protein that activates the far upstream element (FUSE) of c-myc and stimulates expression of c-myc in undifferentiated cells. Regulation of FUSE by FUBP occurs through single-strand binding of FUBP to the non-coding strand. This protein has been shown to function as an ATP-dependent DNA helicase.

References

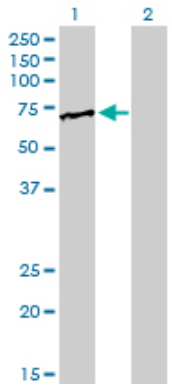
Quantitative characterization of the interactions among c-myc transcriptional regulators FUSE, FBP, and FIR. Hsiao HH, et al. Biochemistry, 2010 Jun 8. PMID 20420426.Overexpression of the far upstream element

binding protein 1 in hepatocellular carcinoma is required for tumor growth. Rabenhorst U, et al. Hepatology, 2009 Oct. PMID 19637194.Overexpression of far upstream element binding proteins: a mechanism regulating proliferation and migration in liver cancer cells. Malz M, et al. Hepatology, 2009 Oct. PMID 19585652.Far upstream element-binding protein-1, a novel caspase substrate, acts as a cross-talker between apoptosis and the c-myc oncogene. Jang M, et al. Oncogene, 2009 Mar 26. PMID 19219071.Prefrontal cortex shotgun proteome analysis reveals altered calcium homeostasis and immune system imbalance in schizophrenia. Martins-de-Souza D, et al. Eur Arch Psychiatry Clin Neurosci, 2009 Apr. PMID 19165527.

Images

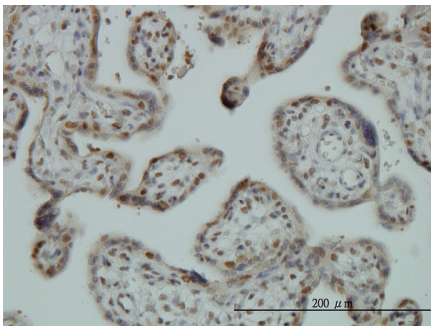


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

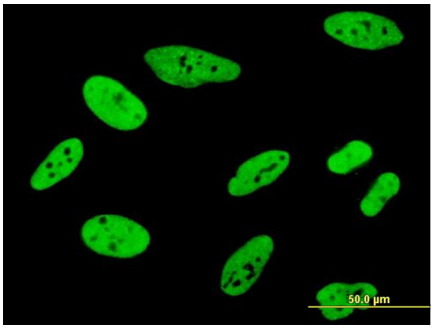


Western Blot analysis of FUBP1 expression in transfected 293T cell line by FUBP1 monoclonal antibody (M01), clone 3H4.

Lane 1: FUBP1 transfected lysate(68.6 KDa).
Lane 2: Non-transfected lysate.

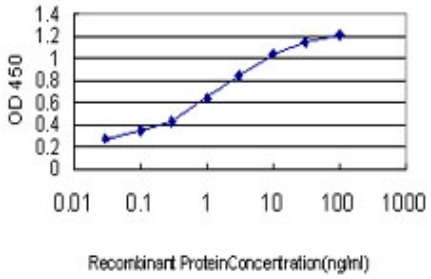


Immunoperoxidase of monoclonal antibody to FUBP1 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

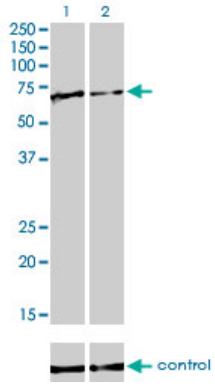


Immunofluorescence of monoclonal antibody to FUBP1 on HeLa cell . [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged FUBP1 is



approximately 0.03ng/ml as a capture antibody.



Western blot analysis of FUBP1 over-expressed 293 cell line, cotransfected with FUBP1 Validated Chimera RNAi ((Cat # AT2117a)

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