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FUBP1 Antibody (monoclonal) (M01)

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

Specification

FUBP1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	Q96AE4
Other Accession	NM_003902
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**67560**

FUBP1 Antibody (monoclonal) (M01) - 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

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.

FUBP1 Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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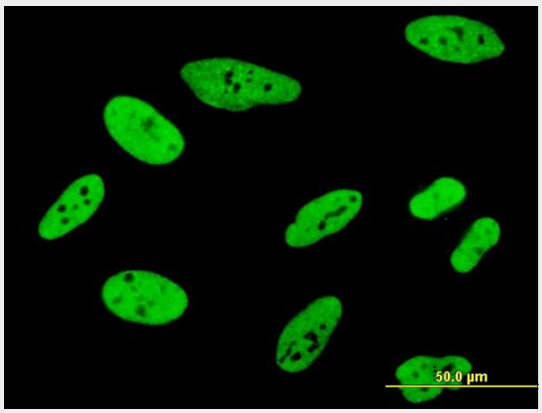
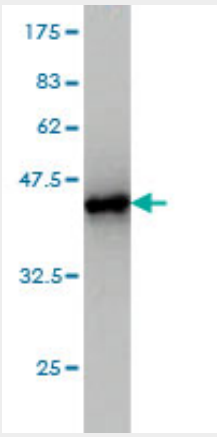
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

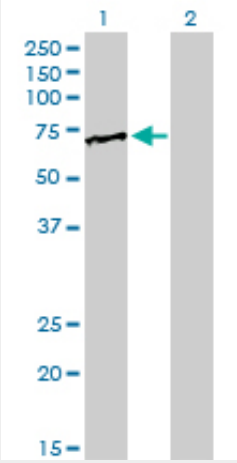
FUBP1 Antibody (monoclonal) (M01) - Images



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



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



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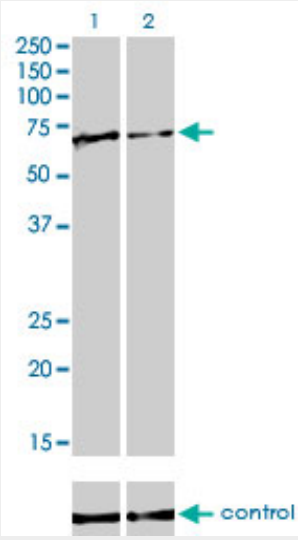
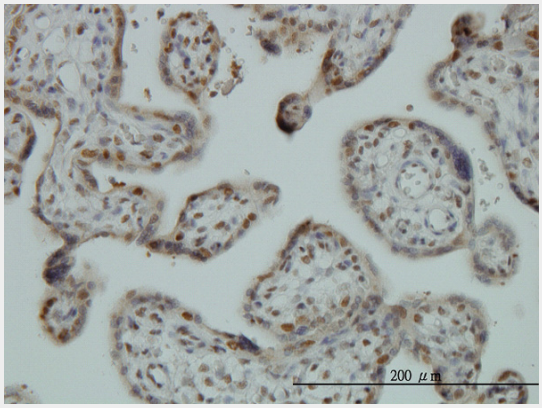
Western Blot analysis of FUBP1 expression in transfected 293T cell line by FUBP1 monoclonal antibody (M01), clone 3H4.

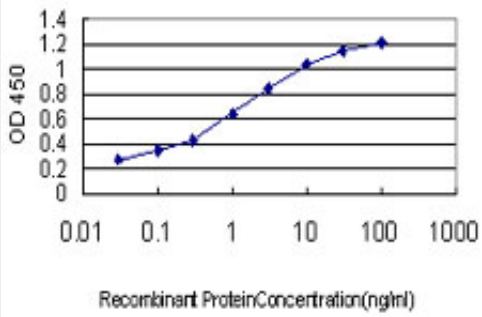
Lane 1: FUBP1 transfected lysate(68.6 KDa).
Lane 2: Non-transfected lysate.



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



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



Detection limit for recombinant GST tagged FUBP1 is approximately 0.03ng/ml as a capture antibody.

FUBP1 Antibody (monoclonal) (M01) - Background

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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.

FUBP1 Antibody (monoclonal) (M01) - 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.