

IRF2 Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant IRF2.****Catalog # AT2542a****Specification**

IRF2 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC, IF, E
Primary Accession	P14316
Other Accession	NM_002199
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	39354

IRF2 Antibody (monoclonal) (M02) - Additional Information**Gene ID** 3660**Other Names**

Interferon regulatory factor 2, IRF-2, IRF2

Target/Specificity

IRF2 (NP_002190, 216 a.a. ~ 315 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

IRF2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

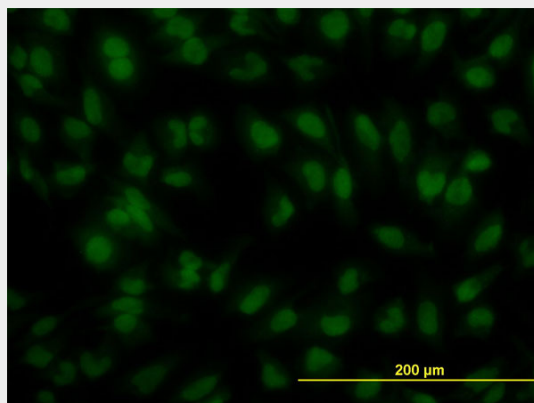
IRF2 Antibody (monoclonal) (M02) - Protocols

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

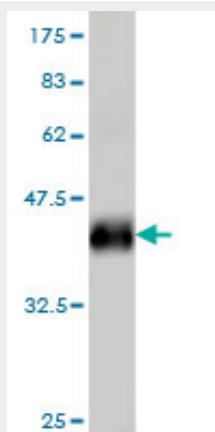
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

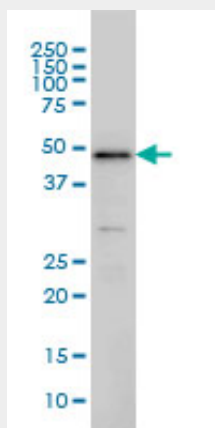
IRF2 Antibody (monoclonal) (M02) - Images



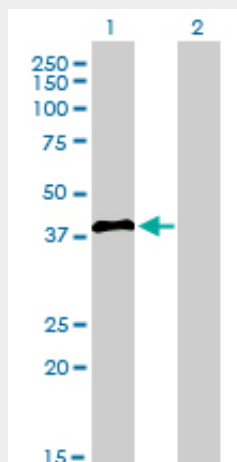
Immunofluorescence of monoclonal antibody to IRF2 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



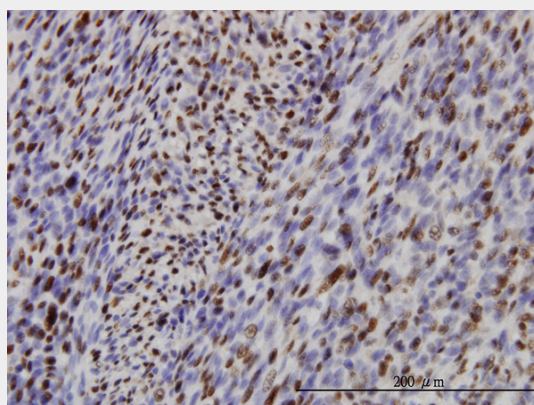
IRF2 monoclonal antibody (M02), clone 3B5 Western Blot analysis of IRF2 expression in Hela S3 NE ((Cat # AT2542a)



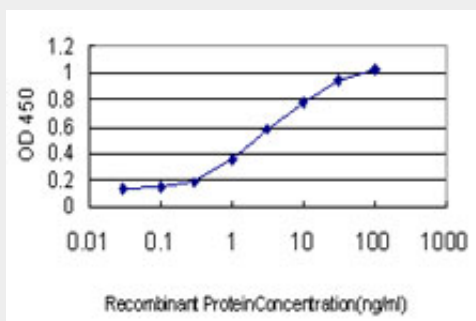
Western Blot analysis of IRF2 expression in transfected 293T cell line by IRF2 monoclonal antibody (M02), clone 3B5.

Lane 1: IRF2 transfected lysate(39.4 kDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to IRF2 on formalin-fixed paraffin-embedded human leiomyosarcoma. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged IRF2 is approximately 0.1ng/ml as a capture antibody.

IRF2 Antibody (monoclonal) (M02) - Background

IRF2 encodes interferon regulatory factor 2, a member of the interferon regulatory transcription

factor (IRF) family. IRF2 competitively inhibits the IRF1-mediated transcriptional activation of interferons alpha and beta, and presumably other genes that employ IRF1 for transcription activation. However, IRF2 also functions as a transcriptional activator of histone H4.

IRF2 Antibody (monoclonal) (M02) - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Interferon regulatory factor (IRF)-2 activates the HPV-16 E6-E7 promoter in keratinocytes. Lace MJ, et al. Virology, 2010 Apr 10. PMID 20129639. Enhanced RIG-I expression is mediated by interferon regulatory factor-2 in peripheral blood B cells from hepatitis C virus-infected patients. Masumi A, et al. Biochem Biophys Res Commun, 2010 Jan 22. PMID 20034464. Role of polypyrimidine tract binding protein in mediating internal initiation of translation of interferon regulatory factor 2 RNA. Dhar D, et al. PLoS One, 2009 Sep 16. PMID 19756143. Analyses of associations with asthma in four asthma population samples from Canada and Australia. Daley D, et al. Hum Genet, 2009 May. PMID 19247692.