

E2F6 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant E2F6.

Catalog # AT1838a

Specification

E2F6 Antibody (monoclonal) (M02) - Product Information

Application	IF, WB, E
Primary Accession	O75461
Other Accession	BC008348
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a kappa
Calculated MW	31844

E2F6 Antibody (monoclonal) (M02) - Additional Information

Gene ID 1876

Other Names

Transcription factor E2F6, E2F-6, E2F6

Target/Specificity

E2F6 (AAH08348, 1 a.a. ~ 281 a.a) full-length 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

E2F6 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

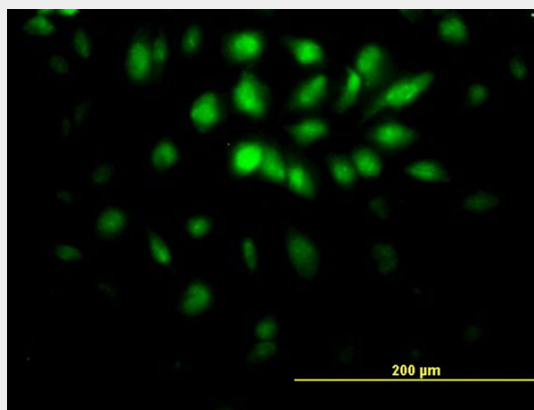
E2F6 Antibody (monoclonal) (M02) - Protocols

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

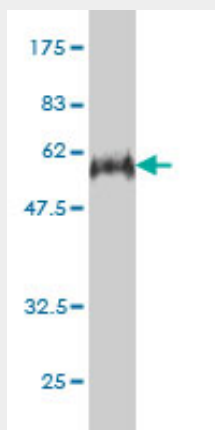
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

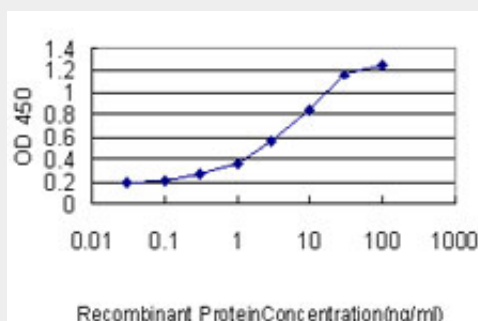
E2F6 Antibody (monoclonal) (M02) - Images



Immunofluorescence of monoclonal antibody to E2F6 on HeLa cell. [antibody concentration 10 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (56.65 KDa) .



Detection limit for recombinant GST tagged E2F6 is approximately 0.03ng/ml as a capture antibody.

E2F6 Antibody (monoclonal) (M02) - Background

This gene encodes a member of the E2F transcription factor protein family. E2F family members

play a crucial role in control of the cell cycle and of the action of tumor suppressor proteins. They are also a target of the transforming proteins of small DNA tumor viruses. Many E2F proteins contain several evolutionarily conserved domains: a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. The encoded protein of this gene is atypical because it lacks the transactivation and tumor suppressor protein association domains. It contains a modular suppression domain and is an inhibitor of E2F-dependent transcription. The protein is part of a multimeric protein complex that contains a histone methyltransferase and the transcription factors Mga and Max. Multiple transcript variants have been reported for this gene, but it has not been clearly demonstrated that they encode valid isoforms.

E2F6 Antibody (monoclonal) (M02) - References

Cell cycle genes and ovarian cancer susceptibility: a tagSNP analysis. Cunningham JM, et al. Br J Cancer, 2009 Oct 20. PMID 19738611. E2F6 inhibits cobalt chloride-mimetic hypoxia-induced apoptosis through E2F1. Yang WW, et al. Mol Biol Cell, 2008 Sep. PMID 18562691. A comprehensive ChIP-chip analysis of E2F1, E2F4, and E2F6 in normal and tumor cells reveals interchangeable roles of E2F family members. Xu X, et al. Genome Res, 2007 Nov. PMID 17908821. E2F-6 suppresses growth-associated apoptosis of human hematopoietic progenitor cells by counteracting proapoptotic activity of E2F-1. Kikuchi J, et al. Stem Cells, 2007 Oct. PMID 17600109. The histone H3K4 demethylase SMCX links REST target genes to X-linked mental retardation. Tahiliani M, et al. Nature, 2007 May 31. PMID 17468742.