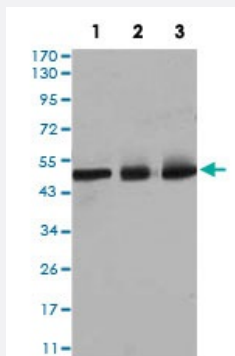


E2F1 monoclonal antibody, clone 8G9

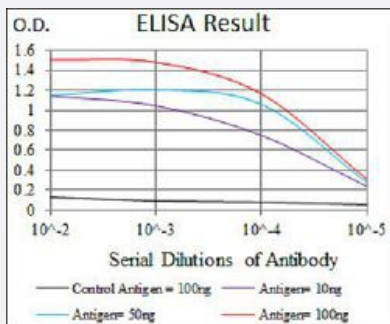
Catalog # MAB17732 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) HeLa cell, (2) SK-N-SH cell, (3) NIH/3T3 cell with E2F1 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of E2F1 monoclonal antibody, clone 8G9.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human E2F1.
Immunogen	Recombinant protein corresponding to amino acids 69-223 of human E2F1 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	46.9
Reactivity	Human, Mouse
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) HeLa cell, (2) SK-N-SH cell, (3) NIH/3T3 cell with E2F1 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of E2F1 monoclonal antibody, clone 8G9.

Gene Info — E2F1

Entrez GeneID	1869
Gene Name	E2F1
Gene Alias	E2F-1, RBAP1, RBBP3, RBP3
Gene Description	E2F transcription factor 1
Omim ID	189971
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include 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. This protein and another 2 members, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis. [provided by RefSeq]

Other Designations

OTTHUMP00000030661|retinoblastoma-associated protein 1

Pathway

- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Glioma](#)
- [Melanoma](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)