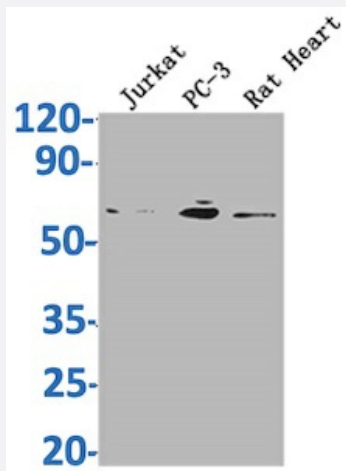


RecomAb™

# E2F1 recombinant monoclonal antibody, clone 1D12

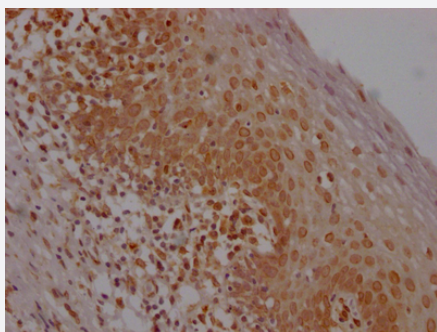
Catalog # RAB04038      Size 100 uL

## Applications



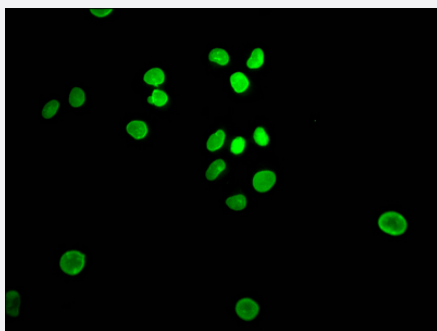
### Western Blot

Western Blot analysis of Lane 1: Jurkat whole cell lysate; Lane 2: PC-3 whole cell lysate; Lane3: Rat Heart tissue.



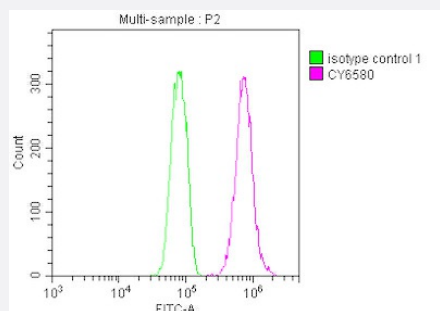
### Immunohistochemistry

Immunohistochemistry image of E2F1 recombinant monoclonal antibody, clone 1D12 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.



### Immunofluorescence

Immunofluorescence staining of HeLa Cells with E2F1 recombinant monoclonal antibody, clone 1D12 at 1:50, counter-stained with DAPI.



## Flow Cytometry

Overlay histogram showing Hela cells stained with E2F1 recombinant monoclonal antibody, clone 1D12 (red line) at 1:50.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human and rat E2F1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to full length human E2F1.
<b>Reactivity</b>	Human, Rat
<b>Form</b>	Liquid
<b>Purification</b>	Affinity-chromatography
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry (1:20-1:200) Immunohistochemistry (1:50-1:200) Immunofluorescence(1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
<b>Storage Instruction</b>	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: Jurkat whole cell lysate; Lane 2: PC-3 whole cell lysate; Lane3: Rat Heart tissue.

- Immunohistochemistry

Immunohistochemistry image of E2F1 recombinant monoclonal antibody, clone 1D12 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of Hela Cells with E2F1 recombinant monoclonal antibody, clone 1D12 at 1:50, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay histogram showing Hela cells stained with E2F1 recombinant monoclonal antibody, clone 1D12 (red line) at 1:50.

## Gene Info — E2F1

**Entrez GeneID** [1869](#)

**Protein Accession#** [Q01094](#)

**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 differentially 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](#)