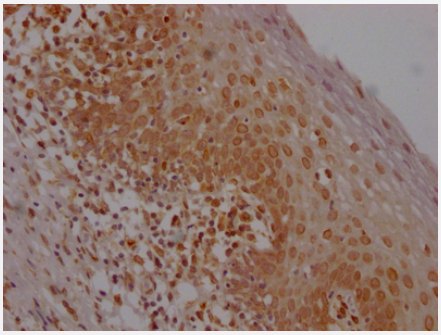
RecomAb™

E2F1 recombinant monoclonal antibody, clone 1D12

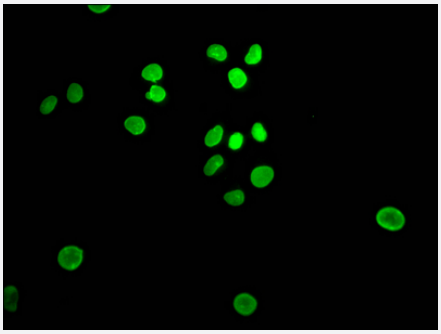
Catalog # RAB04038 Size 100 uL

Applications



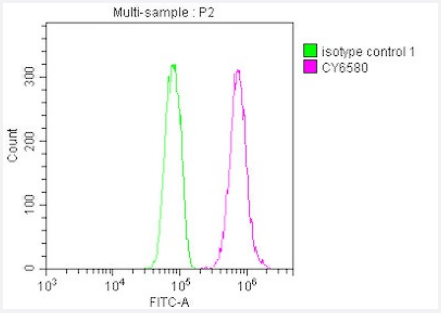
Immunohistochemistry

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 BondTM 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.

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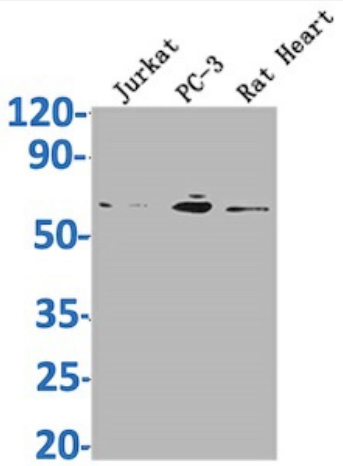

Western Blot

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

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human and rat E2F1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human E2F1.
Reactivity	Human, Rat
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	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.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Applications

- 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 BondTM 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.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

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

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

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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 s everal evolutionally conserved domains found in most members of the family. These domains incl ude a DNA binding domain, a dimerization domain which determines interaction with the different iation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic ami no acids, and a tumor suppressor protein association domain which is embedded within the trans activation domain. This protein and another 2 members, E2F2 and E2F3, have an additional cycli n binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle d ependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosi s. [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

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