A19579

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E2F1 Rabbit mAb

Catalog No.: A19579 Recombinant 8 Publications

Basic Information

Observed MW
70kDa

Calculated MW
47kDa

Category
Monoclonal Antibody

Applications
IP,ELISA

Cross-Reactivity
Human,Mouse,Rat

Clone number
ARC0058

Background

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.

Recommended Dilutions

IP	0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1869

Swiss Prot
Q01094

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
RBP3; E2F-1; RBAP1; RBBP3; E2F1

Contact

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Product Information

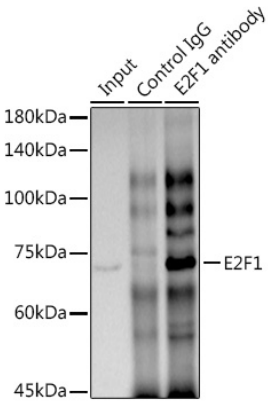
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Immunoprecipitation analysis of 300 μg extracts of HT-29 cells using 3 μg E2F1 antibody (A19579). Western blot was performed from the immunoprecipitate using E2F1 antibody (A19579) at a dilution of 1:1000.