

**E2F3 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14598c****Specification**

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**E2F3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O00716</a>
Other Accession	<a href="#">O35261</a> , <a href="#">NP_001940.1</a>
Reactivity	Human, Mouse
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	49162
Antigen Region	151-180

**E2F3 Antibody (Center) - Additional Information****Gene ID** 1871**Other Names**

Transcription factor E2F3, E2F-3, E2F3, KIAA0075

**Target/Specificity**

This E2F3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 151-180 amino acids from the Central region of human E2F3.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

E2F3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**E2F3 Antibody (Center) - Protein Information****Name** E2F3**Synonyms** KIAA0075

**Function** Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F3 binds specifically to RB1 in a cell-cycle dependent manner. Inhibits adipogenesis, probably through the repression of CEBPA binding to its target gene promoters (By similarity).

#### Cellular Location

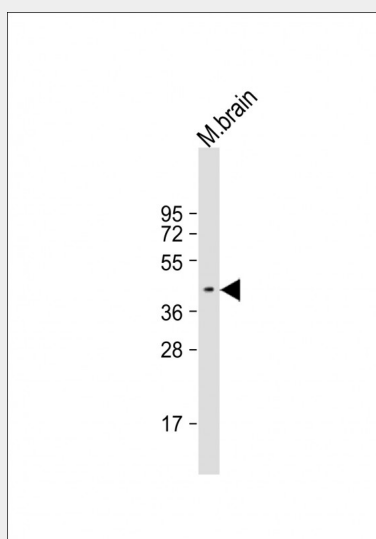
Nucleus.

#### E2F3 Antibody (Center) - Protocols

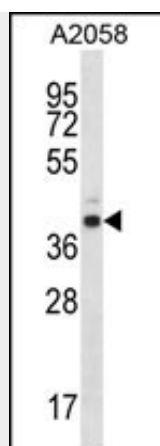
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### E2F3 Antibody (Center) - Images



Anti-E2F3 Antibody (Center) at 1:1000 dilution + mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 49 kDa Blocking/Dilution buffer: 5% NFDm/TBST.



E2F3 Antibody (Center) (Cat. #AP14598c) western blot analysis in A2058 cell line lysates (35ug/lane). This demonstrates the E2F3 antibody detected the E2F3 protein (arrow).

### **E2F3 Antibody (Center) - 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 evolutionarily 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, E2F1 and E2F2, have an additional cyclin binding domain. This protein binds specifically to retinoblastoma protein pRB in a cell-cycle dependent manner.

### **E2F3 Antibody (Center) - References**

Revenko, A.S., et al. Mol. Cell. Biol. 30(22):5260-5272(2010)  
Biswas, S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(15):6976-6981(2010)  
Martinez, L.A., et al. Mol. Cell. Biol. 30(2):524-536(2010)  
Cunningham, J.M., et al. Br. J. Cancer 101(8):1461-1468(2009)  
Madhavan, J., et al. Mol. Vis. 15, 235-240 (2009) :

### **E2F3 Antibody (Center) - Citations**

- [Cell Specific Kaiso \(ZBTB33\) Regulation of Cell Cycle Through cyclin D1 and cyclin E1.](#)