

Anti-E2F3 Picoband Antibody
Catalog # ABO10277

Specification

Anti-E2F3 Picoband Antibody - Product Information

Application **WB**
Primary Accession [O00716](#)
Host **Rabbit**
Reactivity **Human, Mouse, Rat**
Clonality **Polyclonal**
Format **Lyophilized**

Description

Rabbit IgG polyclonal antibody for Transcription factor E2F3(E2F3) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-E2F3 Picoband Antibody - Additional Information

Gene ID 1871

Other Names

Transcription factor E2F3, E2F-3, E2F3, KIAA0075

Calculated MW

49162 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Nucleus.

Protein Name

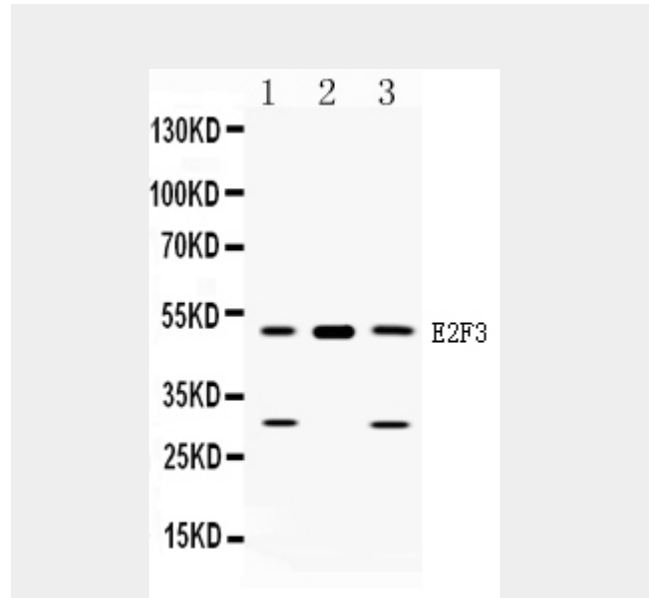
Transcription factor E2F3

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a



Western blot analysis of E2F3 expression in rat liver extract (lane 1), mouse cardiac muscle extract (lane 2) and U2OS whole cell lysates (lane 3). E2F3 at 49KD was detected using rabbit anti- E2F3 Antigen Affinity purified polyclonal antibody (Catalog # ABO10277) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-E2F3 Picoband Antibody - Background

Transcription factor E2F3, also known as KIAA0075, is a protein that in humans is encoded by the E2F3 gene. The protein encoded by this gene is a member of the E2F family of transcription factors. By fluorescence in situ hybridization, E2F3 gene is mapped to 6q22.3. The induction of specific E2F activities is an essential component in the MYC pathways that control cell proliferation and cell fate decisions. This gene encodes a member of a small family of transcription factors that function through binding of DP interaction partner proteins. The encoded protein recognizes a specific sequence motif in DNA and interacts directly with the retinoblastoma protein (pRB) to regulate the expression of

sequence at the C-terminus of human E2F3 (278-320aa QSCTLDLKLLEDSENRQLAYVTY QDIRKISGLKDQTVIVVKA), identical to the related mouse sequence.

genes involved in the cell cycle.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-E2F3 Picoband Antibody - 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.

Anti-E2F3 Picoband Antibody - 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](#)