

Anti-E2F2 Antibody

Catalog # ABO11118

Product Information

Application	WB
Primary Accession	Q14209
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Transcription factor E2F2(E2F2) detection. Tested with WB in Human;Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1870
Other Names	Transcription factor E2F2, E2F-2, E2F2
Calculated MW	47506
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat, Mouse
Subcellular Localization	Nucleus.
Tissue Specificity	Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.
Source	Eukaryota
Protein Name	Transcription factor E2F2(E2F-2)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human E2F2(422-427aa ISDLFDSYDLGDLIN), identical to the related mouse sequence.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Belongs to the E2F/DP family.

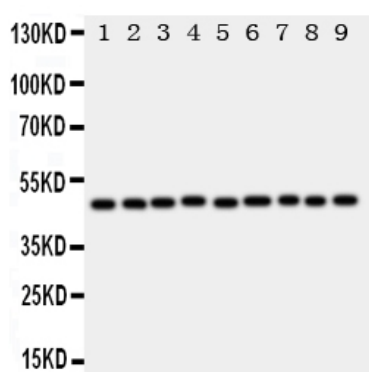
Protein Information

Name	E2F2
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. E2F2 binds specifically to RB1 in a cell-cycle dependent manner.
Cellular Location	Nucleus.
Tissue Location	Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples

Background

E2F2(E2F transcription factor 2) also called E2F-2, 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 E2F2 gene is mapped to 1p36 by fluorescence in situ hybridization. Electrophoretic mobility shift assays revealed the specific binding of E2F2 to ECE1b promoter sequences containing either allele of the C-338A polymorphism, with the -338A allele being associated with an increased affinity to E2F2 compared with -338C. The ability of Myc to induce S phase was impaired in the absence of either E2f2 or E2f3 but not E2f1 or E2f4. In contrast, the ability of Myc to induce apoptosis was markedly reduced in cells deleted for E2f1 but not E2f2 or E2f3.

Images



Anti-E2F2 antibody, ABO11118, Western blotting
All lanes:
Anti E2F2 (ABO11118) at 0.5ug/ml
Lane 1: Rat Lung Tissue Lysate at 50ug
Lane 2: Rat Heart Tissue Lysate at 50ug
Lane 3: Rat Brain Tissue Lysate at 50ug
Lane 4: Rat Kidney Tissue Lysate at 50ug
Lane 5: HELA Whole Cell Lysate at 40ug
Lane 6: COLO320 Whole Cell Lysate at 40ug
Lane 7: A549 Whole Cell Lysate at 40ug
Lane 8: MCF-7 Whole Cell Lysate at 40ug
Lane 9: SMMC Whole Cell Lysate at 40ug
Predicted bind size: 48KD
Observed bind size: 48KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.