10320 Camino Santa Fe, Suite G
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Anti-E2F2 Antibody
Catalog # ABO11118

Specification

Anti-E2F2 Antibody - 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.

Anti-E2F2 Antibody - Additional Information

Gene ID 1870

Other Names
Transcription factor E2F2, E2F-2, E2F2

Calculated MW
47506 MW KDa

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.

Protein Name
Transcription factor E2F2(E2F-2)

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

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human E2F2(422-427aa ISDLFDSYDLGDLLIN), 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 freezing and thawing.

Sequence Similarities
Belongs to the E2F/DP family.

Anti-E2F2 Antibody - 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

Anti-E2F2 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 Cytomety
- Cell Culture

Anti-E2F2 Antibody - Images

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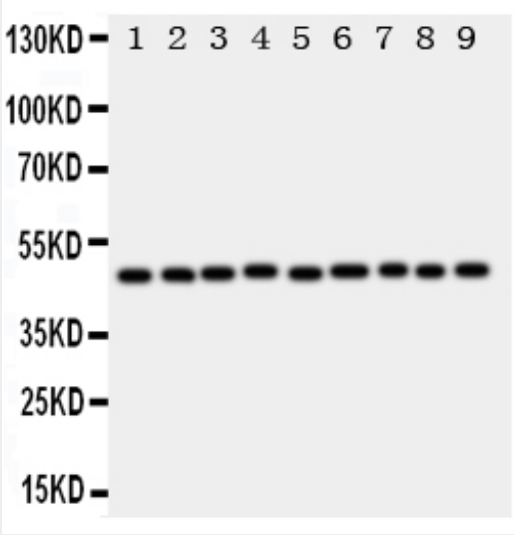

Anti-E2F2 antibody, ABO11118, Western blottingAll lanes: Anti E2F2 (ABO11118) at 0.5ug/mlLane 1: Rat Lung Tissue Lysate at 50ugLane 2: Rat Heart Tissue Lysate at 50ugLane 3: Rat Brain Tissue Lysate at 50ugLane 4: Rat Kidney Tissue Lysate at 50ugLane 5: HELA Whole Cell Lysate at 40ugLane 6: COLO320 Whole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

Anti-E2F2 Antibody - 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.Â TheÂ E2F2Â gene is mapped to 1p36 by fluorescence in situ hybridization. Electrophoretic mobility shift assays revealed the specific binding ofÂ E2F2Â to ECE1b promoter sequences containing either allele of the C-338A polymorphism, with the -338A allele being associated with an increased affinity toÂ E2F2Â compared with -338C. The ability of Myc to induce S phase was impaired in the absence of eitherÂ E2f2Â 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 notÂ E2f2Â or E2f3.