

## Anti-Transcription factor E2F2 E2F2 Antibody

Catalog Number: PA1810

### About E2F2

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.

### Overview

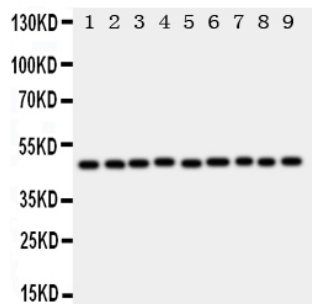
Product Name	Anti-Transcription factor E2F2 E2F2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor E2F2 E2F2 Antibody catalog # PA1810. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q14209

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human E2F2, identical to the related mouse sequence.
Predicted Reactive Species	Rabbit
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

## Anti-Transcription factor E2F2 E2F2 Antibody (PA1810) Images



Anti-E2F2 antibody, PA1810, Western blotting

All lanes: Anti E2F2 (PA1810) 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

## 1 Publications Citing This Product

1. PubMed ID: 26378521, GCN5 Potentiates Glioma Proliferation and Invasion via STAT3 and AKT Signaling Pathways

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