BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Transcription factor E2F6 E2F6 Antibody Picoband®

Catalog Number: PA1811

About E2F6

E2F6 (E2F transcription factor 6) also known as E2F-6. Northern blot analysis revealed that E2F6 is expressed as 2 mRNAs, 2.5 and 3.5 kb, in all human tissues and cell lines tested. The predicted human and mouse E2F6 protein sequences are 92% identical. The DNA-binding and dimerization domains of E2F6 are highly related to those of other E2F family members, but this protein lacks the sequences necessary for either transcriptional activation or binding to RB1, p107, or p130. E2F6 can act to repress the transcription of E2F-responsive genes by countering the activity of other E2F complexes. E2F6 contributes to gene silencing in a manner independent of retinoblastoma protein family members. E2F6 is found in a multimeric protein complex that contains MGA and MAX, and thus the complex can bind not only to the E2F binding site but also to MYC- and Brachyury- binding sites. The E2F6 complex preferentially occupies target promoters in G0 cells rather than in G1 cells.

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Overview

Product Name	Anti-Transcription factor E2F6 E2F6 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Transcription factor E2F6 E2F6 Antibody catalog # PA1811. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	O75461

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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human E2F6, different from the related mouse and rat sequences by one amino acid.
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	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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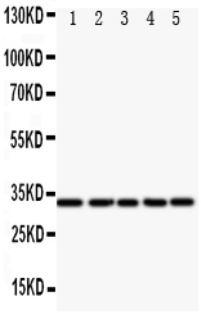
Anti-Transcription factor E2F6 E2F6 Antibody Picoband® (PA1811) Images



Anti-E2F6 antibody, PA1811, Western blottingAll lanes: Anti E2F6 (PA1811) at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: COLO320 Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Lane 4: MCF-7 Whole Cell Lysate at 40ug Lane 5: SMMC Whole Cell Lysate at 40ug Predicted bind size: 32KD Observed bind size: 32KD

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For Research Use Only. Not for use in diagnostic procedures.