

Anti-Oct-1/POU2F1 Antibody Picoband™

Catalog Number: PB9317

About POU2F1

POU domain, class 2, transcription factor 1, also known as OTF1 or OCT1, is a protein that in humans is encoded by the POU2F1 gene. The POU2F1 transcription factor was among the first identified members of the POU transcription factor family. This gene is mapped to 1q24.1 to q24.2. It has been found that the POU dimer from the POU2F1 gene formed on the palindromic OCT factor recognition element, or PORE (ATTTGAAATGCAAAT), could recruit the transcriptional coactivator OBF1, whereas POU dimers formed on the consensus MORE (more PORE) (ATGCATATGCAT) or on MOREs from immunoglobulin heavy chain promoters (AT[G/A][C/A]ATATGCAA) failed to interact. POU domain proteins contain a bipartite DNA-binding domain divided by a flexible linker that enables them to adopt various monomer configurations on DNA.

Overview

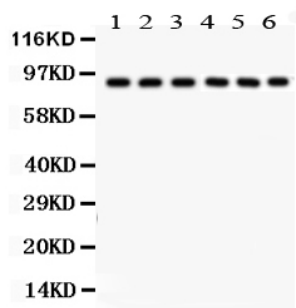
Product Name	Anti-Oct-1/POU2F1 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-Oct-1/POU2F1 Antibody Picoband™ catalog # PB9317. Tested in IHC, WB applications. This antibody reacts with Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 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	P14859

Technical Details

Immunogen	E.coli-derived human Oct-1 recombinant protein (Position: S11-Q240). Human Oct-1 shares 96% and 99% amino acid (aa) sequence identity with mouse and rat Oct-1, respectively.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, By Heat Western blot, 0.1-0.5ug/ml, Human

Anti-Oct-1/POU2F1 Antibody Picoband™ (PB9317) Images



Anti-Oct-1 Picoband antibody, PB9317, Western blotting

All lanes: Anti Oct-1 (PB9317) at 0.5ug/ml

Lane 1: Rat Liver Tissue Lysate at 50ug

Lane 2: Human Placenta Tissue Lysate at 50ug

Lane 3: JURKAT Whole Cell Lysate at 40ug

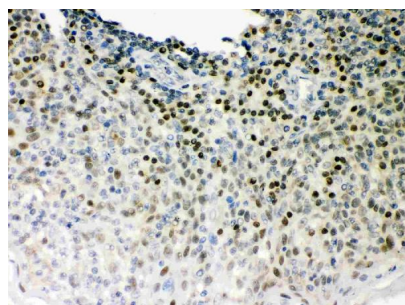
Lane 4: HELA Whole Cell Lysate at 40ug

Lane 5: A549 Whole Cell Lysate at 40ug

Lane 6: SMMC Whole Cell Lysate at 40ug

Predicted bind size: 90KD

Observed bind size: 90KD



Anti-Oct-1 Picoband antibody, PB9317, IHC(P)

IHC(P): Human Tonsil Tissue

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