

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

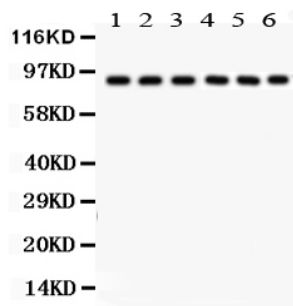
Product Name	Anti-Oct-1/POU2F1 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Oct-1/POU2F1 Antibody Picoband® catalog # PB9317. Tested in IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , and 0.05 mg NaN ₃ . *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	P14859

Technical Details

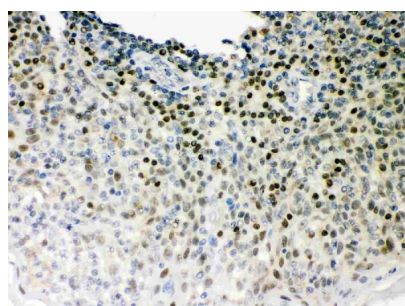
Immunogen	E.coli-derived human Oct-1 recombinant protein (Position: S11-Q240). Human Oct-1 shares 96% and 99% amino acid (aa) sequence identity with mouse and rat Oct-1, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human 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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Anti-Oct-1/POU2F1 Antibody

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