

Datasheet for ABIN3043355
anti-POU2F1 antibody (AA 11-240)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	POU2F1
Binding Specificity:	AA 11-240
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for POU domain, class 2, transcription factor 1(POU2F1) detection. Tested with WB, IHC-P in Human.
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for POU domain, class 2, transcription factor 1(POU2F1) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: POU class 2 homeobox 1</p> <p>Protein Name: POU domain, class 2, transcription factor 1</p>
Purification:	Immunogen affinity purified.

Target Details

Target:	POU2F1
Alternative Name:	POU2F1 (POU2F1 Products)
Background:	<p>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.</p> <p>Synonyms: FLJ42836 antibody NF A1 antibody NF-A1 antibody Oct 1 antibody Oct 1B antibody Oct-1 antibody OCT1 antibody Octamer binding protein 1 antibody Octamer binding transcription factor 1 antibody Octamer-binding protein 1 antibody Octamer-binding transcription factor 1 antibody OTF 1 antibody OTF-1 antibody OTF1 antibody OTTHUMP00000032348 antibody OTTHUMP00000032350 antibody OTTHUMP00000032351 antibody PO21 antibody PO2F1 antibody PO2F1_HUMAN antibody POU class 2 homeobox 1 antibody POU domain class 2 transcription factor 1 antibody POU domain, class 2, transcription factor 1 antibody POU2F1 antibody</p>
Gene ID:	5451
UniProt:	P14859

Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Oct-1 is approximately 0.25 ng/lane under reducing conditions.</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

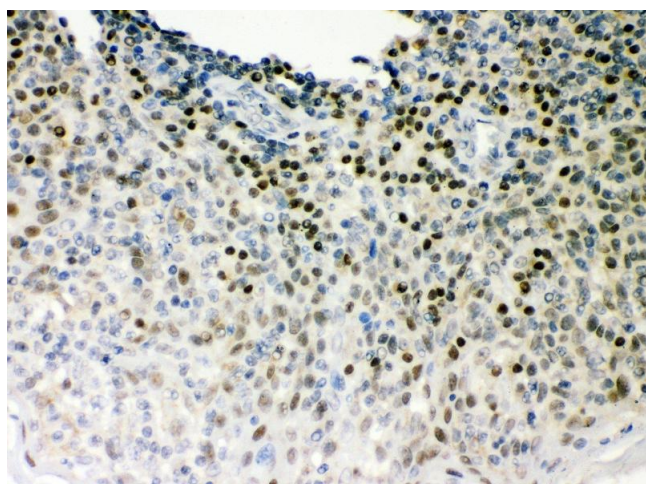
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

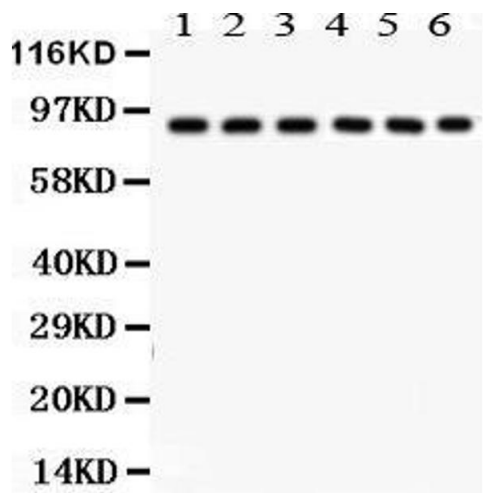
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



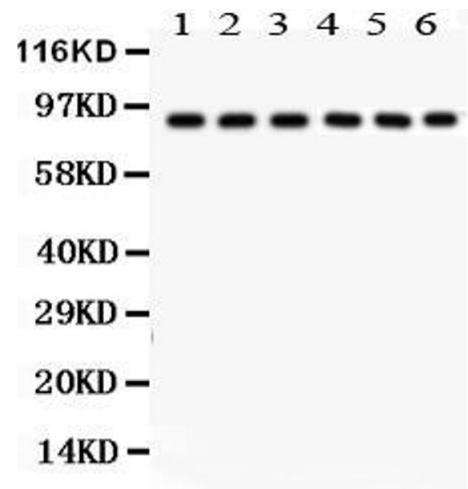
Immunohistochemistry (Paraffin-embedded Sections)

Image 1.



Western Blotting

Image 2. Anti- Oct-1 Picoband antibody, Western blotting All lanes: Anti Oct-1 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



Western Blotting

Image 3. Anti- Oct-1 Picoband antibody, Western blottingAll lanes: Anti Oct-1 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 40ugPredicted bind size: 90KDObserved bind size: 90KD