

Datasheet for ABIN7431773  
**anti-OCT4 antibody (AA 129-352)**



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2 Images

## Overview

Quantity:	100 µL
Target:	OCT4 (POU5F1)
Binding Specificity:	AA 129-352
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)

## Product Details

Purpose:	Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)
Immunogen:	Recombinant Octamer Binding Transcription Factor 4 (OCT4) corresponding to Ser129~Asn352 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against OCT4. It has been selected for its ability to recognize OCT4 in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

Target:	OCT4 (POU5F1)
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## Target Details

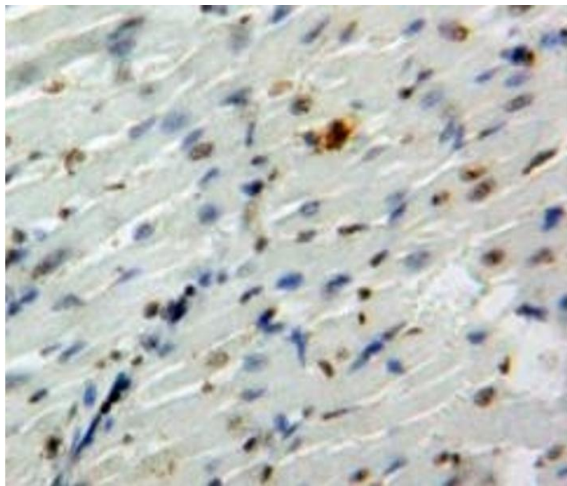
Alternative Name:	OCT4 ( <a href="#">POU5F1 Products</a> )
Background:	POU5F1, OCT3, OTF3, OTF4, Octamer-4, POU Domain Class 5 Transcription Factor 1, POU Class 5 Homoeobox 1, Octamer-binding protein 3
UniProt:	<a href="#">P20263</a>
Pathways:	<a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

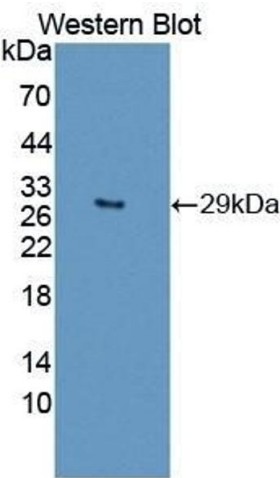
## Handling

Format:	Liquid
Concentration:	0.32 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Immunohistochemistry

Image 1. #VALUE!



Western Blotting

Image 2. Detection of Recombinant OCT4, Mouse using Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)