

Datasheet for ABIN7442423  
**anti-OCT4 antibody (AA 136-360)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	OCT4 (POU5F1)
Binding Specificity:	AA 136-360
Reactivity:	Human
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 Ser136~Asn360 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.
Cross-Reactivity:	Pig
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

## Target Details

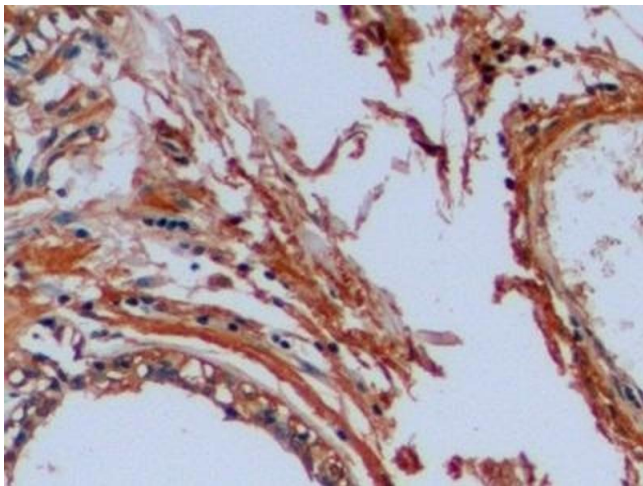
Target:	OCT4 (POU5F1)
Alternative Name:	Octamer Binding Transcription Factor 4 ( <a href="#">POU5F1 Products</a> )
Background:	POU5F1, OCT3, OTF3, OTF4, Octamer-4, POU Domain Class 5 Transcription Factor 1, POU Class 5 Homoeobox 1, Octamer-binding protein 3
Pathways:	<a href="#">Stem Cell Maintenance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

## Application Details

Application Notes:	Western blotting: 0.5-2 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

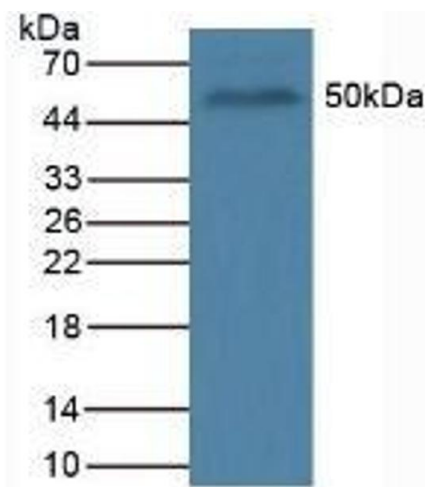
## Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: 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



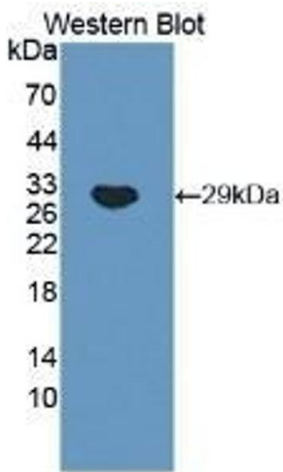
#### Immunohistochemistry

**Image 1.** Detection of OCT4 in Human Mammary gland Tissue using Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)



#### Western Blotting

**Image 2.** Detection of OCT4 in Porcine Brain Tissue using Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)



#### Western Blotting

**Image 3.** Detection of Recombinant OCT4, Human using Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7442423.