

Datasheet for ABIN541092

anti-OCT4 antibody**2** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	OCT4 (POU5F1)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Dot Blot (DB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of POU5F1.
Immunogen:	A synthetic peptide corresponding to internal domain of human, mouse and rat POU5F1.
Specificity:	This antibody recognizes ~39 KDa of POU5F1. It does not cross react with POU2F1, POU2F2.
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	OCT3/4 (POU5F1 Products)
Gene ID:	5460, 18999, 294562

Target Details

Pathways: [Stem Cell Maintenance](#)

Application Details

Application Notes: Western Blot (0.1-1 µg/mL)
ELISA (0.01-0.1 µg/mL)
Immunoprecipitation (2-5 µg/mL)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In TBS, pH 7.2 (BSA, 10 % Proclin300)

Preservative: ProClin

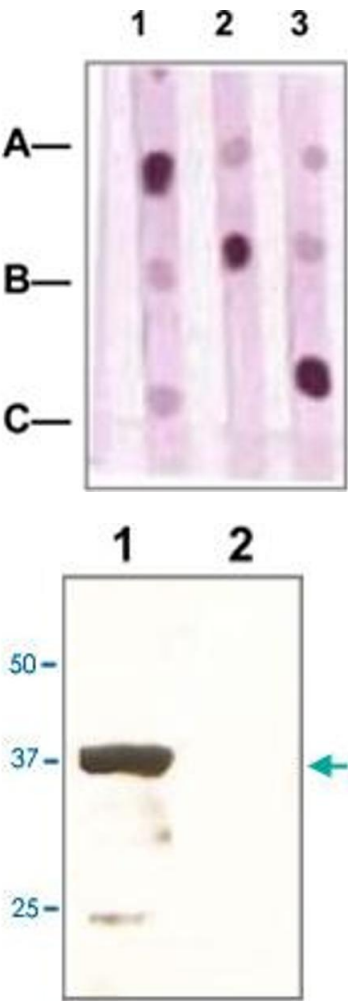
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C. For long term storage store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Zhang, Liao, Xu, Jin: "Post-translational modification of POU domain transcription factor Oct-4 by SUMO-1." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 21, Issue 12, pp. 3042-51, (2007) ([PubMed](#)).



Dot Blot

Image 1. Dot Blot : 1 ug peptides was blotted onto NC membrane. A : POU2F1 B : POU2F2 C : POU5F1 Followed by immunoblotting at a 1 : 1000 dilution by : 1 : POU2F1 polyclonal antibody 2 : POU2F2 polyclonal antibody 3 : POU5F1 polyclonal antibody

Western Blotting

Image 2. The tissue lysate derived from mouse kidney was immunoprobed by POU5F1 polyclonal antibody at 1 : 500. An immunoreactive band is observed around ~34 kDa (1). This band is abolished by pre-incubation with immunizing peptide (2).