

Datasheet for ABIN185438
anti-OCT4 antibody (C-Term)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	OCT4 (POU5F1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	OCT4 / POU5F1
Immunogen:	Peptide with sequence C-VTTLGSPMHSN, from the C Terminus of the protein sequence according to NP_002692.2, NP_976034.3.
Sequence:	C-VTTLGSPMHS N
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_002692.2 and NP_976034.3)
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	POU5F1 (POU5F1 Products)
Background:	POU5F1, OTF4, POU domain, class 5, transcription factor 1, HGNC:9221, MGC22487, OCT3, OTF3, POU-type homeodomain-containing DNA-binding protein, octamer-binding transcription factor-3, POU class 5 homeobox 1, DADB-104B20.2, OCT4, POU domain, class 5, tran
Gene ID:	5460, 18999, 294562
NCBI Accession:	NP_002692 , NP_976034
Pathways:	Stem Cell Maintenance

Application Details

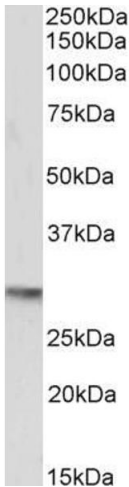
Application Notes:	Western Blot: Approx 30 kDa band observed in Human Placenta, and approx 28 kDa in Mouse Heart lysates (calculated MW of 30.1 kDa according to Human NP_976034.3 and 25.0 kDa according to Mouse NP_001239381.1). Recommended concentration: 0.5-2 µg/mL. Primary in Peptide ELISA: antibody detection limit dilution 1:2000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
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:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated

at 4°C for a few weeks and still remain viable.

Images



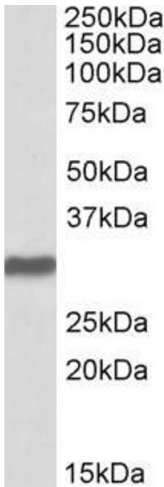
Western Blotting

Image 1. ABIN185438 (0.5µg/ml) staining of Mouse Heart lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



Western Blotting

Image 2. ABIN185438 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Western Blotting

Image 3. ABIN185438 (2µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.