

Datasheet for ABIN655493
anti-OCT4 antibody (AA 265-297)



[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	OCT4 (POU5F1)
Binding Specificity:	AA 265-297
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OCT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This OCT3/4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 265-297 amino acids from human OCT3/4.
Clone:	RB14495
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	OCT3/4 (POU5F1 Products)

Target Details

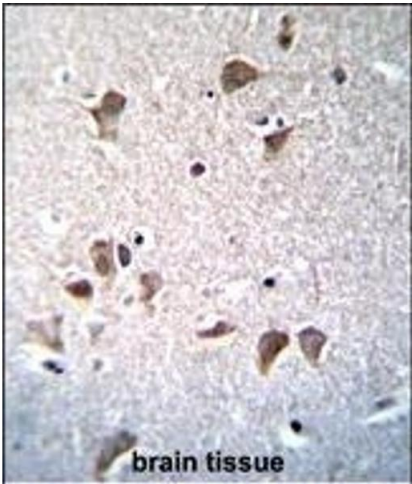
Background:	This gene encodes a transcription factor containing a POU homeodomain. This transcription factor plays a role in embryonic development, especially during early embryogenesis, and it is necessary for embryonic stem cell pluripotency. A translocation of this gene with the Ewing's sarcoma gene, t(6,22)(p21,q12), has been linked to tumor formation. Alternative splicing, as well as usage of alternative translation initiation codons, results in multiple isoforms, one of which initiates at a non-AUG (CUG) start codon. Related pseudogenes have been identified on chromosomes 1, 3, 8, 10, and 12.
Molecular Weight:	38571
Gene ID:	5460
NCBI Accession:	NP_002692
UniProt:	Q01860
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

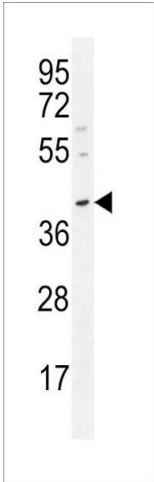
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. OCT3/4 Antibody (ABIN655493 and ABIN2845012) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of OCT3/4 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. OCT3/4 Antibody (ABIN655493 and ABIN2845012) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the OCT3/4 antibody detected the OCT3/4 protein (arrow).