

Rabbit OCT-4 Antibody | anti-OCT-4 antibody

Rabbit anti OCT-4 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71397	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

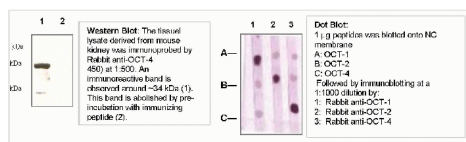
PRODUCT SYNONYMS

OCT-4; Rabbit anti OCT-4 antibody; Rabbit anti-Oct-4; POU5F1; anti-OCT-4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~39 kDa of OCT-4 protein from human, rat and mouse origins. It does not cross react with OCT-1, OCT-2. The other species are not tested
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate-buffered saline (pH7.2) containing antibody stabilizer
Applicable Applications for anti-OCT-4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic peptide corresponding to intra domain of OCT-4 protein from human, mouse and rat origins.
Positive Control	Mouse Kidney tissue lysate
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2-8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-OCT-4 antibody	Oct-3/4, a 39 kDa protein as a member of POU transcription factors, was identified as a DNA-binding protein that activates gene transcription via a cis-element containing an Octamer motif ATGCAAAT. It is expressed in embryonic stem (ES) cells and germ cells, and its expression is required to sustain cell self-renewal and pluripotency. Oct-3/4 is the most recognized marker for totipotent ES cells.
References	Zhang ZH, et al. Post-translational modification of POU domain transcription factor Oct-4 by SUMO-1. The FASEB Journal. 2007;21:3042-3051.

NCBI AND UNIPROT INFORMATION

Molecular Weight	39 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-rat-antibody/oct-4/71397>