

## Anti-OCT-4 Rabbit pAb



WL01728

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-OCT-4 Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
	IHC	1:150-1:300
<b>Cellular localization</b>	Cytoplasm, Nucleus.	
<b>Pack size</b>	50/100/200/500/1000µl	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

<b>Background</b>	Octamer binding protein 4 (OCT4), also known as POU5F1 or OCT3/4, is a member of the POU gene family, encoded by the human gene POU5F1 (POU domain 5 transcription factor 1). The abnormal expression of OCT4 in adult tissues is associated with tumorigenesis. OCT4 is also expressed in the developing brain, with the highest levels found in the cortex, olfactory bulb, and hippocampus. OCT4A and OCT4B1, the isoforms of OCT4, support self-renewal and multi maintenance of gene transcription in the nucleus of ESC and embryonic cancer cells, while OCT4B is located in the cytoplasm of various non peptide cell types and cannot sustain self recovery and self restoration.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of OCT-4.
<b>Purification</b>	Polyclonal antibody was purified by Protein A affinity chromatography.

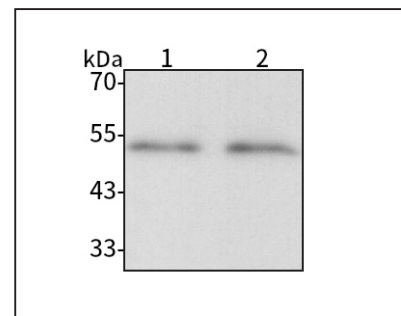
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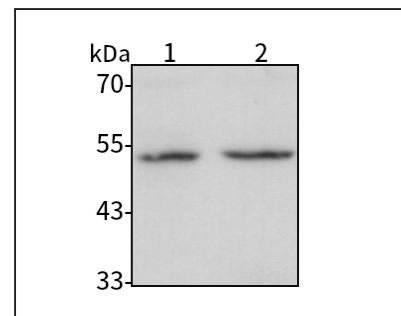
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## Product Images



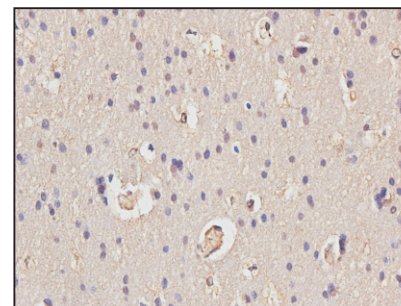
## Western blot-Anti-OCT-4 pAb

**Lane 1:** Human HEK293 cell lysate  
**Lane 2:** Human MCF-7 cell lysate  
**All lanes:** Anti-OCT-4 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 39 kDa  
 Observed band size: 45-60 kDa



## Western blot-Anti-OCT-4 pAb

**Lane 1:** Mouse brain tissue lysate  
**Lane 2:** Rat brain tissue lysate  
**All lanes:** Anti-OCT-4 at 1:1000 dilution  
 Lysates/proteins at 20-50 µg per lane.  
 Predicted band size: 39 kDa  
 Observed band size: 45-60 kDa



## Immunohistochemistry-Anti-OCT-4 pAb

Immunohistochemical analysis of paraffin-embedded human glioma using anti-OCT-4 Rabbit Antibody at 1:150 dilution.  
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

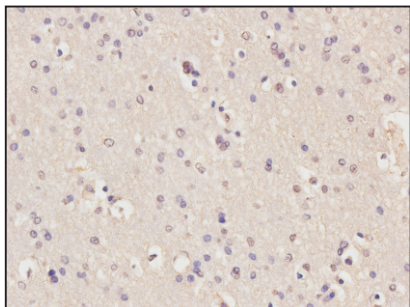
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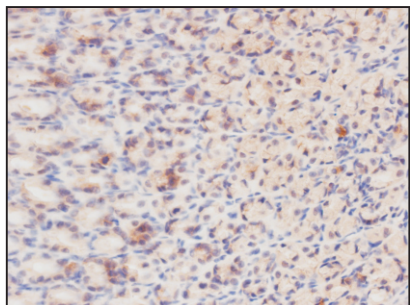
### Product Information



#### Immunohistochemistry-Anti-OCT-4 pAb

Immunohistochemical analysis of paraffin-embedded human glioma using anti-OCT-4 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



#### Immunohistochemistry-Anti-OCT-4 pAb

Immunohistochemical analysis of paraffin-embedded rat stomach using anti-OCT-4 Rabbit Antibody at 1:300 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0