

Datasheet for ABIN625854  
**anti-OCT4 antibody (AA 114-163)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	OCT4 (POU5F1)
Binding Specificity:	AA 114-163
Reactivity:	Human, Pig, Rabbit, Goat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa114-163 of human POU5F1 (Q01860, NP_002692). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Goat, Rabbit (100%), Marmoset (92%), Dog (91%), Bovine, Pig, Guinea pig (85%), Horse (84%), Cat (83%).  Type of Immunogen: Synthetic peptide
Specificity:	Human POU5F1 / OCT4
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Goat (100%) Rabbit (92%) Dog (91%) Pig (84%).
Purification:	Protein A/G purified

## Target Details

Target:	OCT4 (POU5F1)
Alternative Name:	POU5F1 / OCT4 ( <a href="#">POU5F1 Products</a> )
Background:	Name/Gene ID: POU5F1  Synonyms: POU5F1, Oct-4, OCT3, OCT4, OTF4, POU class 5 homeobox 1, Octamer-binding protein 3, Octamer-binding protein 4, OTF-3, Oct-3, OTF3
Gene ID:	5460
NCBI Accession:	<a href="#">NP_002692</a>
UniProt:	<a href="#">Q01860</a>
Pathways:	<a href="#">Stem Cell Maintenance</a>

## Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB (1.25 µg/mL)  Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

## Handling

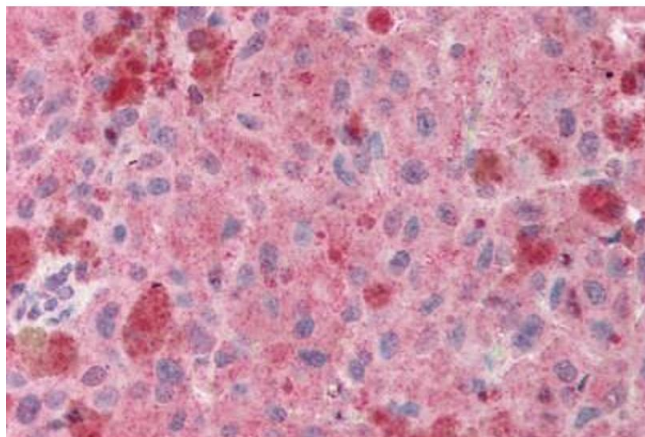
Format:	Liquid
Reconstitution:	Distilled water
Concentration:	Lot specific
Buffer:	PBS, 2 % sucrose.
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C, -20 °C

## Handling

Storage Comment: Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year)

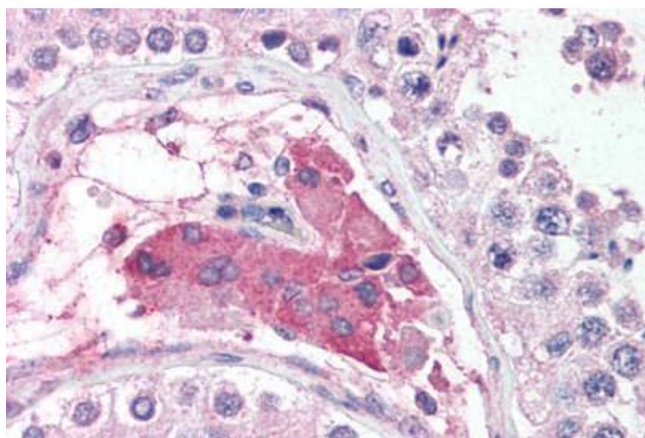
Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

## Images



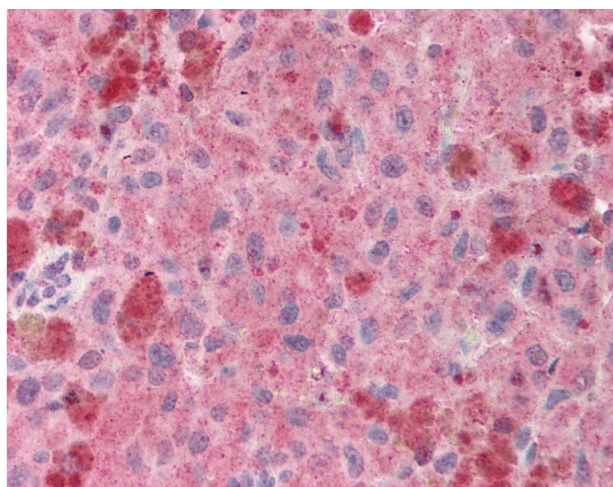
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Human Melanoma (formalin-fixed, paraffin-embedded) stained with POU5F1 antibody ABIN625854 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Human Testis (formalin-fixed, paraffin-embedded) stained with POU5F1 antibody ABIN625854 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



### Immunohistochemistry

**Image 3.** Anti-POU5F1 / OCT4 antibody IHC of human melanoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. ...