

# Rabbit anti-Human, Pig Octamer Binding Transcription Factor 4 Polyclonal Antibody | anti-OCT4 antibody

Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA143118 | Rabbit | Human, Pig | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

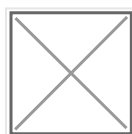
## PRODUCT SYNONYMS

Octamer Binding Transcription Factor 4; Polyclonal Antibody; Polyclonal Antibody to Octamer Binding Transcription Factor 4 (OCT4); anti-OCT4 antibody

## PRODUCT SPECIFICATIONS

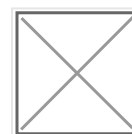
|                                                |                                                                                                                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                        |
| Reactivity                                     | Human, Pig                                                                                                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                                                                    |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against OCT4. It has been selected for its ability to recognize OCT4 in immunohistochemical staining and western blotting.                |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                       |
| Form/Format                                    | Liquid                                                                                                                                                                                        |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                      |
| Sequence Length                                | 360                                                                                                                                                                                           |
| Applicable Applications for anti-OCT4 antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                               |
| Fragment                                       | OCT4 (Ser136~Asn360)                                                                                                                                                                          |
| Organism Species                               | Homo sapiens (Human)                                                                                                                                                                          |
| Cross Reactivity                               | Human, Pig                                                                                                                                                                                    |
| Conjugate                                      | No Conjugate                                                                                                                                                                                  |
| Immunogen                                      | Recombinant OCT4 (Ser136~Asn360) expressed in E Coli.                                                                                                                                         |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                         |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |

## IMAGES



**IHC (Immunohistochemistry)**

DAB staining on formalin fixed paraffin-embedded Kidney tissue



**WB (Western Blot)**

Western Blot: Sample: Recombinant OCT4, Human.



**WB (Western Blot)**

Western Blot: Sample: Porcine Brain Tissue.

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 553727233                                                                      |
| NCBI GeneID                      | 5460                                                                           |
| NCBI Accession #                 | NP_001272916.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001285987.1                                                                 |
| UniProt Accession #              | Q01860; P31359; Q15167; Q15168; Q16422; Q5STF3; Q5STF4; A6NCS1; A6NLL8; D2IYK4 |
| Molecular Weight                 | 30,085 Da                                                                      |
| NCBI Official Full Name          | POU domain, class 5, transcription factor 1 isoform 3                          |
| NCBI Official Synonym Full Names | POU class 5 homeobox 1                                                         |
| NCBI Official Symbol             | POU5F1                                                                         |
| NCBI Official Synonym Symbols    | OCT3; OCT4; OTF3; OTF4; OTF-3; Oct-3; Oct-4                                    |
| NCBI Protein Information         | POU domain, class 5, transcription factor 1                                    |
| UniProt Protein Name             | POU domain, class 5, transcription factor 1                                    |
| UniProt Gene Name                | <b>POU5F1</b>                                                                  |
| UniProt Synonym Gene Names       | OCT3; OCT4; OTF3; Oct-3; Oct-4; OTF-3                                          |

**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.