

# Rabbit anti-Human, Mouse Octamer Binding Transcription Factor 1 Polyclonal Antibody | anti-OCT1 antibody

Polyclonal Antibody to Octamer Binding Transcription Factor 1 (OCT1)

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                   |
|-----------|--------|--------------|----------------------------------------------------------------|
| AAA142641 | Rabbit | Human, Mouse | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

## PRODUCT SYNONYMS

Octamer Binding Transcription Factor 1; Polyclonal Antibody; Polyclonal Antibody to Octamer Binding Transcription Factor 1 (OCT1); anti-OCT1 antibody

## PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity                                     | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against OCT1. It has been selected for its ability to recognize OCT1 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal tag, His-tag and GST-tag and its sequence is listed below.<br>MSPI LGYWKIKGLV QPTRLLLEYL EEKYEEHLYE RDEGDKWRNK KFELGLEFPN LPYYIDGDVK LTQSMAIIRY<br>IADKHNLGCG CPKERAIEISM LEGAVLDIRY GVSRIAYSKD FETLKVDLFL KPEMLKMFEDRLCHKTYLN<br>GDHVTHPDFM LYDALDVVLY MDPMLCLDAFP KLVCFKKRIE AIPQIDKYLK SSKYIAWPLQ GWQATFGGGD<br>HPPKSDGSTS GSGHHHHHHS AGLVPRGSTA IGMKETAALK FERQHMDSPD LGTGGGSGIE GRGSMGYRGS<br>EF-AGGQITG LTLTPAQQL LLQQAQAQAQ LLAADVQHS ASQHSAGA TISASAATPM TQIPLSQPIQ<br>IAQDLQQLQQ LQQNLNLQQ FVLVHPTTNL QPAQFIISQT PQGQGLLQA QNLLTQLPQQ SQANLLQPQP<br>SITLTSQPTT PTRTIAASV QTLPQSQSTP KRIDTPSLEE PSDLEELEQF AKTFKQRRIK LGFTQGDVGL<br>AMGKLYGNDF SQTISRFEA LNLSEKMNCK LKPLLEKWLN DAENLS |
| Applicable Applications for anti-OCT1 antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Fragment                                       | OCT1 (Ala128~Leu391)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism Species                               | Mus musculus (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cross Reactivity                               | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen                                      | Recombinant OCT1 (Ala128~Leu391) 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 fromalin fixed paraffin-embedded Testis tissue



**WB (Western Blot)**  
Western Blot: Sample: Recombinant protein.



**WB (Western Blot)**  
Western Blot: Sample: Mouse Small intestine lysate; Primary Ab: 3ug/ml Rabbit Anti-Mouse OCT1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody



**WB (Western Blot)**  
Western Blot: Sample: Human Hela cell lysate; Primary Ab: 3ug/ml Rabbit Anti-Mouse OCT1 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 114431252                                                                              |
| NCBI GeneID                      | 18986                                                                                  |
| NCBI Accession #                 | NP_035267.2                                                                            |
| NCBI GenBank Nucleotide #        | NM_011137.3                                                                            |
| UniProt Accession #              | P25425; Q61994; Q63891; Q6Y681; Q7TSD0; Q8BT04; Q8K570; Q99JH0; Q9WTZ4; Q9WTZ5; Q9WTZ6 |
| Molecular Weight                 | 81,479 Da                                                                              |
| NCBI Official Full Name          | POU domain, class 2, transcription factor 1 isoform A                                  |
| NCBI Official Synonym Full Names | POU domain, class 2, transcription factor 1                                            |
| NCBI Official Symbol             | Pou2f1                                                                                 |
| NCBI Official Synonym Symbols    | Oct1; Otf1; NF-A1; Oct-1; Otf-1; 2810482H01Rik                                         |
| NCBI Protein Information         | POU domain, class 2, transcription factor 1                                            |
| UniProt Protein Name             | POU domain, class 2, transcription factor 1                                            |
| UniProt Gene Name                | Pou2f1                                                                                 |
| UniProt Synonym Gene Names       | Oct-1; Otf-1; Otf1; Oct-1; OTF-1                                                       |

**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.