

## Rabbit POU1F1 Polyclonal Antibody | anti-POU1F1 antibody

POU1F1 antibody - C-terminal region

| CATALOG # | HOST   | REACTIVITY                                                                     | APPLICATIONS                       |
|-----------|--------|--------------------------------------------------------------------------------|------------------------------------|
| AAA197161 | Rabbit | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish | Western Blot, Immunohistochemistry |

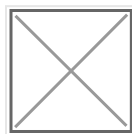
### PRODUCT SYNONYMS

POU1F1; Polyclonal Antibody; POU1F1 antibody - C-terminal region; anti-POU1F1 antibody

### PRODUCT SPECIFICATIONS

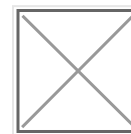
|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish                                                                        |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following sequence: QEIMRMAEELNLEKEVVRVWFENRRQREKRVKTSLNQSLFSISKHELECR                                                     |
| Sequence Length                                  | 291                                                                                                                                                   |
| Applicable Applications for anti-POU1F1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                         | Cow: 100%; Dog: 100%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 86%       |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the C terminal region of human POU1F1                                                           |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-POU1F1 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:12500  
Positive Control: HepG2 cell lysate



#### WB (Western Blot)

Host: Rabbit  
Target Name: POU1F1  
Sample Tissue: Human HT1080 Whole Cell  
Antibody Dilution: 1ug/ml



#### IHC (Immunohistochemistry)

Rabbit Anti-POU1F1 Antibody  
Paraffin Embedded Tissue: Human pituitary  
Observed staining: Nuclear  
Primary Antibody Dilution: 1:600  
Conditions: Primary antibody incubation at RT for 1 hour. Detection was done using HRP -polymer conjugated anti-rabbit secondary antibody by incubating for 30 minutes at RT.  
Chromogen: DAB  
Counterstaining: Hematoxylin.



#### IHC (Immunohistochemistry)

Rabbit Anti-POU1F1 Antibody  
Paraffin Embedded Tissue: Human Liver  
Cellular Data: Hepatocyte  
Antibody Concentration: 4.0-8.0 ug/ml  
Magnification: 400X

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-POU1F1 antibody | <p>This is a rabbit polyclonal antibody against POU1F1. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: PIT1 is a pituitary-specific transcription factor responsible for pituitary development and hormone expression in mammals and is a member of the POU family of transcription factors that regulate mammalian development. The POU family is so named because the first 3 members identified were PIT1 and OCT1 of mammals, and Unc-86 of C. elegans. PIT1 contains 2 protein domains, termed POU-specific and POU-homeo, which are both necessary for high affinity DNA binding on genes encoding growth hormone and prolactin. PIT1 is also important for regulation of the genes encoding prolactin and thyroid-stimulating hormone beta subunit by thyrotropin-releasing hormone and cyclic AMP.</p> |
| Product Categories/Family for anti-POU1F1 antibody   | <p>Polyclonal; Transcription Factor; Transcription Regulation; Developmental Biology; DNA/RNA/Protein Interactions ; Immunohistochemistry; Transcription Factors</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| NCBI GI #                        | 4505955                                                          |
| NCBI GeneID                      | 5449                                                             |
| NCBI Accession #                 | NP_000297                                                        |
| NCBI GenBank Nucleotide #        | NM_000306                                                        |
| UniProt Accession #              | P28069                                                           |
| Molecular Weight                 | 33kDa                                                            |
| NCBI Official Full Name          | pituitary-specific positive transcription factor 1 isoform alpha |
| NCBI Official Synonym Full Names | POU class 1 homeobox 1                                           |
| NCBI Official Symbol             | POU1F1                                                           |
| NCBI Official Synonym Symbols    | PIT1; CPHD1; GHF-1; Pit-1; POU1F1a                               |
| NCBI Protein Information         | pituitary-specific positive transcription factor 1               |
| UniProt Protein Name             | Pituitary-specific positive transcription factor 1               |
| UniProt Gene Name                | <b>POU1F1</b>                                                    |
| UniProt Synonym Gene Names       | GHF1; PIT1; PIT-1; GHF-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pou1f1-antibody-western-blot-immunohistochemistry-elisa/197161>