

## Rabbit POU4F3 Polyclonal Antibody | anti-POU4F3 antibody

POU4F3 antibody - middle region

| CATALOG # | HOST   | REACTIVITY                                                        | APPLICATIONS                       |
|-----------|--------|-------------------------------------------------------------------|------------------------------------|
| AAA197514 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish | Western Blot, Immunohistochemistry |

### PRODUCT SYNONYMS

POU4F3; Polyclonal Antibody; POU4F3 antibody - middle region; anti-POU4F3 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish                                                                                     |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Protein A 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 region: AL ANLKIPGVGS LSQSTICRFE SLTSLSHNNMI ALKPVQLQAWL EEAEAAAYR                                               |
| Sequence Length                                  | 338                                                                                                                                                   |
| Applicable Applications for anti-POU4F3 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                         |
| Homology                                         | Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 100%                               |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the middle region of human POU4F3                                                               |
| 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



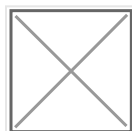
#### WB (Western Blot)

WB Suggested Anti-POU4F3 Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate



#### WB (Western Blot)

Host: Mouse Target Name: POU4F1 Sample Tissue: Mouse Brain Antibody Dilution: 1ug/ml



#### IHC (Immunohistochemistry)

Human kidney

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-POU4F3 antibody | <p>This is a rabbit polyclonal antibody against POU4F3. It was validated on Western Blot and immunohistochemistry</p> <p>Target Description: POU4F3 is capable of activating both BDNF and NT-3 promoters in inner ear sensory epithelial cell lines. Mutant POU4F3 loses most of its transcriptional activity and most of its ability to bind to DNA. The mutation causes autosomal-dominant nonsyndromic hearing loss and eventually leads to hair cell morbidity in affected family members.</p> |
| Product Categories/Family for anti-POU4F3 antibody   | <p><a href="#">Polyclonal</a>; <a href="#">Transcription Factor</a>; <a href="#">Neurobiology</a>; <a href="#">Transcription Regulation</a>; <a href="#">Transcription Regulation</a>; <a href="#">Neuroscience</a>; <a href="#">Disease Related</a>; <a href="#">Immunohistochemistry</a>; <a href="#">Transcription Factors</a>; <a href="#">Cell Differentiation</a></p>                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 4505965                                     |
| NCBI GeneID                      | 5459                                        |
| NCBI Accession #                 | <a href="#">NP_002691</a>                   |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002700</a>                   |
| UniProt Accession #              | <a href="#">Q15319</a>                      |
| Molecular Weight                 | 37kDa                                       |
| NCBI Official Full Name          | POU domain, class 4, transcription factor 3 |
| NCBI Official Synonym Full Names | POU class 4 homeobox 3                      |
| NCBI Official Symbol             | POU4F3                                      |
| NCBI Official Synonym Symbols    | BRN3C; DFNA15; DFNA42; DFNA52               |
| NCBI Protein Information         | POU domain, class 4, transcription factor 3 |
| UniProt Protein Name             | POU domain, class 4, transcription factor 3 |
| UniProt Gene Name                | <b>POU4F3</b>                               |
| UniProt Synonym Gene Names       | BRN3C; Brain-3C; Brn-3C                     |
| UniProt Entry Name               | PO4F3_HUMAN                                 |

**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/pou4f3-antibody-western-blot-immunohistochemistry-elisa/197514>