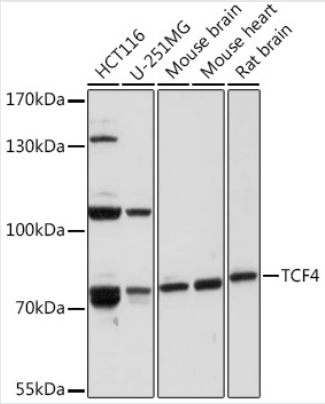
# TCF4 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | TCF4, Polyclonal Antibody |
| **Full Product Name** | TCF4 Rabbit pAb |
| **Product Gene Name** | anti-TCF4 antibody |
| **Product Synonym Names** | TCF4; E2-2; FECD3; ITF-2; ITF2; PTHS; SEF-2; SEF2; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; TCF-4; bHLHb19; TCF4 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Form/Format** | PBS with 0.05% proclin300,50% glycerol,pH7.3. |
| **Purity/Purification** | Affinity purification |
| **Preparation and Storage** | Store at -20 degree C. Avoid freeze/thaw cycles. |
| **Molecular Weight** | 667 |
| **Chromosome Location** | Chromosome: 18; NC_000018.9 (52889562..53303252, complement). Location: 18q21.1 |
| **OMIM** | 602272 |
| **3D Structure** | ModBase 3D Structure for P15884 |
| **Immunogen** | Recombinant protein of human TCF4. |
| **Cellular Location** | Nucleus |
| **Positive Samples** | HCT116, U-251MG, Mouse brain, Mouse heart, Rat brain |
| **Product Categories/Family for anti-TCF4 antibody** | Epigenetics & Nuclear Signaling; Transcription Factors |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-TCF4 antibody** | Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF) |
| **Application Notes for anti-TCF4 antibody** | WB: 1:500-1:2000<br>IHC: 1:50-1:200<br>IF: 1:50-1:200 |
| **Related Product Information for anti-TCF4 antibody** | Background: This gene encodes transcription factor 4, a basic helix-loop-helix transcription factor. The encoded protein recognizes an Ephrussi-box ('E-box') binding site ('CANNTG') - a motif first identified in immunoglobulin enhancers. This gene is broadly expressed, and may play an important role in nervous system development. Defects in this gene are a cause of Pitt-Hopkins syndrome. In addition, an intronic CTG repeat normally numbering 10-37 repeat units can expand to >50 repeat units and cause Fuchs endothelial corneal dystrophy. Multiple alternatively spliced transcript variants that encode different proteins have been described. |
| **Other Notes** | Small volumes of anti-TCF4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for TCF4 purchase** | MBS9142557 is an antibody targeting TCF4. Also known as TCF4 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit. |




**Western Blot (WB) of anti-TCF4 antibody**
Western blot analysis of extracts of various cell lines, using TCF4 Rabbit pAb at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TCF4. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 145312267 |
| **NCBI GeneID** | 6925 |
| **NCBI Accession #** | NP_001077431.1 |
| **UniProt Primary Accession #** | P15884 |
| **UniProt Secondary Accession #** | B3KT62; B3KUC0; B4DT37; B4DUG3; B7Z5M6; G0LNT9; G0LNU0; G0LNU1; G0LNU2; G0LNU5; G0LNU8 |
| **UniProt Related Accession #** | P15884 |
| **GenBank Nucleotide #** | NM_001083962.1 |
| **NCBI Official Full Name** | transcription factor 4 isoform a |
| **NCBI Official Synonym Full Names** | transcription factor 4 |
| **NCBI Official Symbol** | TCF4 |
| **NCBI Official Synonym Symbols** | E2-2; ITF2; PTHS; SEF2; ITF-2; SEF-2; TCF-4; SEF2-1; SEF2-1A; SEF2-1B; bHLHb19 |
| **UniProt Protein Name** | Transcription factor 4 |
| **UniProt Synonym Protein Names** | Class B basic helix-loop-helix protein 19; bHLHb19; Immunoglobulin transcription factor 2; ITF-2; SL3-3 enhancer factor 2 |
| **Protein Family** | Transcription factor |
| **UniProt Gene Name** | TCF4 |
| **UniProt Synonym Gene Names** | BHLHB19; ITF2; SEF2; TCF-4; bHLHb19; ITF-2; SEF-2 |
| **UniProt Entry Name** | ITF2_HUMAN |
| **NCBI Protein Information** | transcription factor 4; SL3-3 enhancer factor 2; transcription factor 4, isoform D; transcription factor 4, isoform E; transcription factor 4, isoform R; immunoglobulin transcription factor 2; class B basic helix-loop-helix protein 19 |

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