

**TCF1 / HNF1 Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2551a****Specification**

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**TCF1 / HNF1 Antibody (internal region) - Product Information**

|                   |                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------|
| Application       | E                                                                                                                |
| Primary Accession | <a href="#">P20823</a>                                                                                           |
| Other Accession   | <a href="#">NP_000536.3</a> , <a href="#">6927</a> , <a href="#">21405 (mouse)</a> , <a href="#">24817 (rat)</a> |
| Predicted Host    | Human, Mouse, Rat, Dog                                                                                           |
| Clonality         | Goat                                                                                                             |
| Concentration     | Polyclonal                                                                                                       |
| Isotype           | 0.5 mg/ml                                                                                                        |
| Calculated MW     | IgG                                                                                                              |
|                   | 67356                                                                                                            |

**TCF1 / HNF1 Antibody (internal region) - Additional Information****Gene ID** 6927**Other Names**

Hepatocyte nuclear factor 1-alpha, HNF-1-alpha, HNF-1A, Liver-specific transcription factor LF-B1, LFB1, Transcription factor 1, TCF-1, HNF1A, TCF1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TCF1 / HNF1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**TCF1 / HNF1 Antibody (internal region) - Protein Information****Name** HNF1A**Synonyms** TCF1**Function**

Transcriptional activator that regulates the tissue specific expression of multiple genes, especially in pancreatic islet cells and in liver (By similarity). Binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:&lt;a href="http://www.uniprot.org/citations/12453420" target="\_blank"&gt;12453420&lt;/a&gt;, PubMed:&lt;a href="http://www.uniprot.org/citations/10966642" target="\_blank"&gt;10966642&lt;/a&gt;).

target="\_blank">10966642</a>). Activates the transcription of CYP1A2, CYP2E1 and CYP3A11 (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108, ECO:0000269|PubMed:10966642, ECO:0000269|PubMed:38018242}

**Tissue Location**

Liver.

**TCF1 / HNF1 Antibody (internal region) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TCF1 / HNF1 Antibody (internal region) - Images****TCF1 / HNF1 Antibody (internal region) - References**

Genetic evidence that HNF-1alpha-dependent transcriptional control of HNF-4alpha is essential for human pancreatic beta cell function. Hansen SK, Parrizas M, Jensen ML, Pruhova S, Ek J, Boj SF, Johansen A, Maestro MA, Rivera F, Eiberg H, Andel M, Lebl J, Pedersen O, Ferrer J, Hansen T. J Clin Invest. 2002 Sep;110(6):827-33. PMID: 12235114