

**Goat Anti-BRF2 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1167a****Specification**

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**Goat Anti-BRF2 Antibody - Product Information**

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Application       | WB, E                                             |
| Primary Accession | <a href="#">Q9HAW0</a>                            |
| Other Accession   | <a href="#">NP_060780</a> , <a href="#">55290</a> |
| Reactivity        | Human                                             |
| Host              | Goat                                              |
| Clonality         | Polyclonal                                        |
| Concentration     | 100ug/200ul                                       |
| Isotype           | IgG                                               |
| Calculated MW     | 46533                                             |

**Goat Anti-BRF2 Antibody - Additional Information****Gene ID** 55290**Other Names**

Transcription factor IIIB 50 kDa subunit, TFIIB50, hTFIIB50, B-related factor 2, BRF-2, hBRFU, BRF2, BRFU

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, 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**

Goat Anti-BRF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-BRF2 Antibody - Protein Information****Name** BRF2**Synonyms** BRFU {ECO:0000303|PubMed:11040218}**Function**

General activator of RNA polymerase III transcription. Factor exclusively required for RNA polymerase III transcription of genes with promoter elements upstream of the initiation sites (PubMed:<a href="http://www.uniprot.org/citations/11040218" target="\_blank">11040218</a>, PubMed:<a href="http://www.uniprot.org/citations/11121026" target="\_blank">11121026</a>, PubMed:<a href="http://www.uniprot.org/citations/11564744" target="\_blank">11564744</a>, PubMed:<a href="http://www.uniprot.org/citations/26638071" target="\_blank">26638071</a>). Contributes to the regulation of gene expression; functions as activator in the absence of oxidative stress (PubMed:<a href="http://www.uniprot.org/citations/26638071" target="\_blank">26638071</a>). Down-regulates expression of target genes in response to oxidative stress (PubMed:<a href="http://www.uniprot.org/citations/26638071" target="\_blank">26638071</a>). Overexpression protects cells against apoptosis in response to oxidative stress (PubMed:<a href="http://www.uniprot.org/citations/26638071" target="\_blank">26638071</a>).

#### Cellular Location

Nucleus.

#### Goat Anti-BRF2 Antibody - 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](#)

#### Goat Anti-BRF2 Antibody - Images



AF1167a staining (1.5 µg/ml) of HeLa lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

#### Goat Anti-BRF2 Antibody - Background

This gene encodes one of the multiple subunits of the RNA polymerase III transcription factor complex required for transcription of genes with promoter elements upstream of the initiation site. The product of this gene, a TFIIB-like factor, is directly recruited to the TATA-box of polymerase III

small nuclear RNA gene promoters through its interaction with the TATA-binding protein.

#### **Goat Anti-BRF2 Antibody - References**

Differential expression of the TFIIIB subunits Brf1 and Brf2 in cancer cells. Cabarcas S, et al. BMC Mol Biol, 2008 Aug 12. PMID 18700021.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

Structure-function analysis of the human TFIIIB-related factor II protein reveals an essential role for the C-terminal domain in RNA polymerase III transcription. Saxena A, et al. Mol Cell Biol, 2005 Nov. PMID 16227591.

Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.