

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

Specification

Goat Anti-BRF2 Antibody - Product Information

Application	WB
Primary Accession	Q9HAW0
Other Accession	NP_060780 , 55290
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,
TFIIIB50, hTFIIIB50, B-related factor 2,
BRF-2, hBRFU, BRF2, BRFU

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

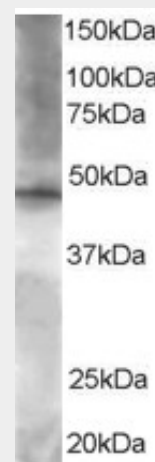
Goat Anti-BRF2 Antibody is for research use
only and not for use in diagnostic or
therapeutic procedures.

Goat Anti-BRF2 Antibody - Protein Information

Name BRF2

Synonyms BRFU

{ECO:0000303|PubMed:11040218}



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 TFIIIB-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.

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:11040218, PubMed:11121026, PubMed:11564744, PubMed:26638071). Contributes to the regulation of gene expression; functions as activator in the absence of oxidative stress (PubMed:26638071). Down-regulates expression of target genes in response to oxidative stress (PubMed:26638071). Overexpression protects cells against apoptosis in response to oxidative stress (PubMed:26638071).

Cellular Location

Nucleus.

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.

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](#)