

**TGIF2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14807b****Specification**

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**TGIF2 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9GZN2](#)

**TGIF2 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 60436

**Other Names**

Homeobox protein TGIF2, 5'-TG-3'-interacting factor 2, TGF-beta-induced transcription factor 2, TGFB-induced factor 2, TGIF2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TGIF2 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** TGIF2

**Function**

Transcriptional repressor, which probably repress transcription by binding directly the 5'-CTGTCAA-3' DNA sequence or by interacting with TGF-beta activated SMAD proteins. Probably represses transcription via the recruitment of histone deacetylase proteins.

**Cellular Location**

Nucleus. Note=Excluded from nucleoli.

**Tissue Location**

Widely expressed. Highly expressed in heart, kidney and testis. Weakly expressed in brain and prostate

**TGIF2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **TGIF2 Antibody (C-term) Blocking Peptide - Images**

### **TGIF2 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene is a DNA-binding homeobox protein and a transcriptional repressor. The encoded protein appears to repress transcription by recruiting histone deacetylase to TGF beta-responsive genes. This gene is amplified and overexpressed in some ovarian cancers, and mutations in this gene can cause holoprosencephaly.

### **TGIF2 Antibody (C-term) Blocking Peptide - References**

Watanabe, T., et al. Jpn. J. Cancer Res. 93(10):1114-1122(2002) Deloukas, P., et al. Nature 414(6866):865-871(2001) Melhuish, T.A., et al. J. Biol. Chem. 276(34):32109-32114(2001) Imoto, I., et al. Biochem. Biophys. Res. Commun. 276(1):264-270(2000)