

**TGFA Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP5176c****Specification**

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**TGFA Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P01135](#)

**TGFA Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 7039

**Other Names**

Protransforming growth factor alpha, Transforming growth factor alpha, TGF-alpha, EGF-like TGF, ETGF, TGF type 1, TGFA

**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.

**TGFA Antibody (Center) Blocking Peptide - Protein Information**

**Name** TGFA

**Function**

TGF alpha is a mitogenic polypeptide that is able to bind to the EGF receptor/EGFR and to act synergistically with TGF beta to promote anchorage-independent cell proliferation in soft agar.

**Cellular Location**

[Transforming growth factor alpha]: Secreted, extracellular space

**Tissue Location**

Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines

**TGFA Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**TGFA Antibody (Center) Blocking Peptide - Images**

**TGFA Antibody (Center) Blocking Peptide - Background**

Transforming growth factors (TGFs) are biologically active polypeptides that reversibly confer the transformed phenotype on cultured cells. TGF-alpha shows about 40% sequence homology with epidermal growth factor (EGF; MIM 131530) and competes with EGF for binding to the EGF receptor (MIM 131550), stimulating its phosphorylation and producing a mitogenic response.

**TGFA Antibody (Center) Blocking Peptide - References**

Han, S.W., et al. Cancer Sci. 101(3):793-799(2010)Trang, S.H., et al. Growth Factors 28(1):10-23(2010)Zhu, J., et al. Am. J. Med. Genet. A 152A (2), 291-298 (2010)