

TGF alpha Ab

[Images\(1\)](#)

Cat.#: DF6099 Concn.: ~1mg/ml Mol.Wt.: 17kDa
Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
*The optimal dilutions should be determined by the end user.

Reactivity: Human,Mouse,Rat

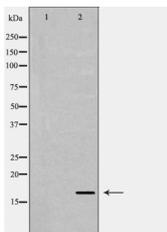
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human TGF alpha, corresponding to a region within C-terminal amino acids.

Uniprot: P01135

Description: Transforming growth factor alpha (TGF-alpha) is a member of the epidermal growth factor (EGF) family, sharing the same receptor, EGFR, and regulating cell proliferation, survival, and differentiation . Members of the family share an EGF-like domain of 45-60 amino acids characterized by the conservation of six regularly spaced cysteins, forming three disulfide bonds that function as their receptor binding domain. TGF-alpha was initially discovered in the media of retrovirally transformed fibroblasts, and its name comes from its ability to induce transformation in cultured fibroblasts . This transforming activity was later shown to require TGF-beta, which potentiates the activity of TGF-alpha through a separate receptor .



Western blot analysis of HeLa lysates using TGFA Ab. The lane on the left was treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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