

Basic Information

Product Name	Anti-TGF Alpha/TGFA Antibody
Gene Name	TGFA
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TGF alpha, different from the related mouse and rat sequences by one amino acid.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	15 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

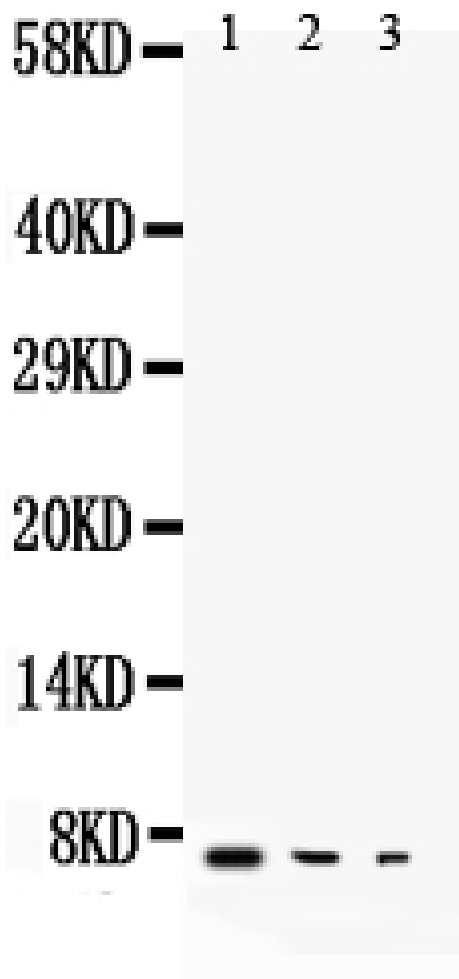
Background Information

Transforming growth factor alpha(TGF-alpha) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects. TGFalpha stimulates neural cell proliferation in the adult injured brain. TGFalpha was cited in the 2001 NIH Stem Cell report to the U.S. Congress as promising evidence for the ability of adult stem cells to restore function in neurodegenerative disorders.

Reference

Anti-TGF Alpha/TGFA Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of TGF Alpha/TGFA using anti-TGF Alpha/TGFA antibody (BA0402-2).

Lane 1: recombinant human TGF a protein 10ng,

Lane 2: recombinant human TGF a protein 5ng,

Lane 3: recombinant human TGF a protein 2.5ng.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-TGF Alpha/TGFA antigen affinity purified polyclonal antibody (BA0402-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TGF Alpha/TGFA at approximately 6 kDa.