

Anti-TGF alpha/TGFA Antibody

Catalog Number: PA1360

About TGFA

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.

Overview

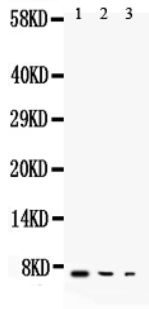
Product Name	Anti-TGF alpha/TGFA Antibody
Reactive Species	Human
Description	Boster Bio Anti-TGF alpha/TGFA Antibody catalog # PA1360. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01135

Technical Details

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.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat</p>

Anti-TGF alpha/TGFA Antibody (PA1360) Images



Anti-TGF alpha antibody, PA1360, Western blotting
All lanes: Anti TGF alpha (PA1360) at 0.5ug/ml
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
Predicted bind size: 6KD
Observed bind size: 6KD

3 Publications Citing This Product

1. PubMed ID: 24367598, Ruan Gp, Xu F, Li Za, Zhu Gx, Pang Rq, Wang Jx, Cai Xm, He J, Yao X, Ruan Gh, Xu Xm, Pan Xh. Plos One. 2013 Dec 18;8(12):E83507. Doi: 10.1371/Journal.Pone.0083507. Ecollection 2013. Induced Autologous Stem Cell Transplantation For Treatment Of Rab...
2. PubMed ID: 25664038, Li Xn, Pan X, Qiu D. Int J Clin Exp Med. 2014 Dec 15;7(12):5324-9. Ecollection 2014. Imbalances Of Th17 And Treg Cells And Their Respective Cytokines In Copd Patients By Disease Stage.
3. PubMed ID: 19935079, Zhang W, Chen Dq, Qi F, Wang J, Xiao Wy, Zhu Wz. J Cardiovasc Pharmacol. 2010 Jan;55(1):96-105. Doi: 10.1097/Fjc.0B013E3181C9548B. Inhibition Of Calcium-Calmodulin-Dependent Kinase Ii Suppresses Cardiac Fibroblast Proliferation And Extracellular M...

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