

Anti-Pro-epidermal growth factor EGF Antibody

Catalog Number: PA1398

About Egf

Epidermal growth factor (EGF) is a growth factor that plays an important role in the regulation of cell growth, proliferation and differentiation by binding to its receptor EGFR. EGF locus is mapped to 4q21-4qter. Human EGF is a 6045-Da protein with 53 amino acid residues and three intramolecular disulfide bonds. EGF results in cellular proliferation, differentiation, and survival while plays an important physiological role in the maintenance of oro-esophageal and gastric tissue integrity.

Overview

Product Name	Anti-Pro-epidermal growth factor EGF Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Pro-epidermal growth factor EGF Antibody catalog # PA1398. Tested in IHC, WB applications. This antibody reacts with Mouse.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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	P01132

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse EGF.
Predicted Reactive Species	Monkey
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

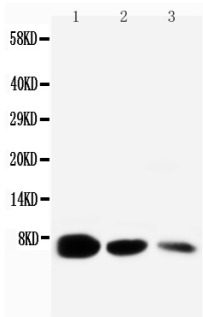
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

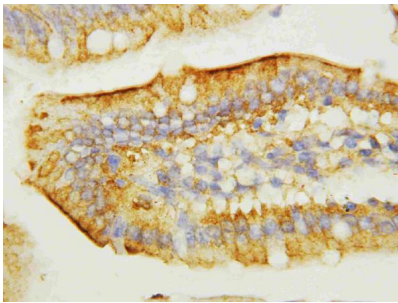
Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse, By Heat

Western blot, 0.1-0.5ug/ml, Mouse

Anti-Pro-epidermal growth factor EGF Antibody (PA1398) Images



Anti-EGF antibody, PA1398, Western blotting
Lane 1: Recombinant Mouse EGF Protein 10ng
Lane 2: Recombinant Mouse EGF Protein 5ng
Lane 3: Recombinant Mouse EGF Protein 2.5ng



Anti-EGF antibody, PA1398, IHC(P)
IHC(P): Mouse Intestine Tissue

3 Publications Citing This Product

1. PubMed ID: 25269793, Ruan R, Jin P, Zhang L, Wang C, Chen C, Ding W, Wen L. Mol Pharm. 2014 Nov 3;11(11):4015-22. Doi: 10.1021/Mp500277G. Epub 2014 Oct 13. Peptide-Chaperone-Directed Transdermal Protein Delivery Requires Energy.
2. PubMed ID: 19005168, Ge C, Yu M, Petite Jn, Zhang C. Biol Reprod. 2009 Mar;80(3):528-36. Doi: 10.1095/Biolreprod.108.072728. Epub 2008 Nov 12. Epidermal Growth Factor-Induced Proliferation Of Chicken Primordial Germ Cells: Involvement Of Calcium/Protein Kinase C And ...
3. PubMed ID: 29464186, Effect of IL-10 on the expression of HSC growth factors in hepatic fibrosis rat

Visit bosterbio.com/anti-egf-antibody-pa1398-boster.html to see all 3 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Pro-epidermal growth factor EGF Antibody