

Anti-Pro-epidermal growth factor EGF Antibody Picoband®

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

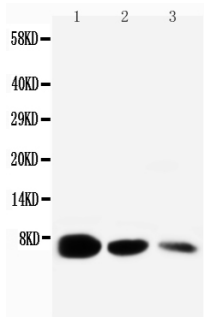
Product Name	Anti-Pro-epidermal growth factor EGF Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Pro-epidermal growth factor EGF Antibody catalog # PA1398. Tested in IHC, WB applications. This antibody reacts with Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

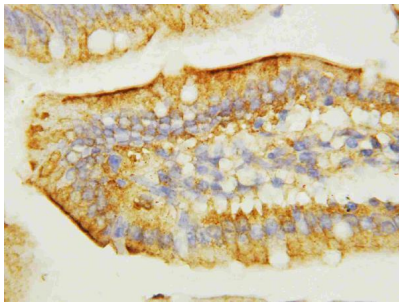
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse EGF.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross 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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Mouse Western blot, 0.1-0.5ug/ml, Mouse

Anti-Pro-epidermal growth factor EGF Antibody Picoband® (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

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