

Anti-EGF Antibody

Catalog # ABO10721

Product Information

Application	WB, IHC-P
Primary Accession	P01132
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Pro-epidermal growth factor(EGF) detection. Tested with WB, IHC-P in Mouse.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	13645
Other Names	Pro-epidermal growth factor, EGF, Epidermal growth factor, Egf
Calculated MW	133072
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, By Heat Western blot, 0.1-0.5 µg/ml, Mouse
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Pro-epidermal growth factor(EGF)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse EGF(1013-1029aa YSGDRCQTRDLRWWELR).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Contains 9 EGF-like domains.

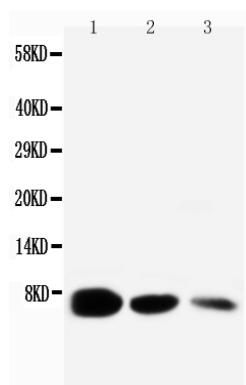
Protein Information

Name	Egf
Function	EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6 (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein.

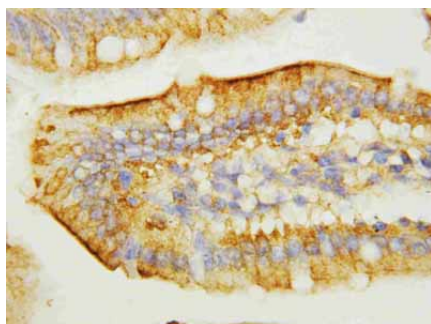
Background

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.

Images



Anti-EGF antibody, ABO10721, 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, ABO10721, IHC(P)
IHC(P): Mouse Intestine Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.