10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-EGF Antibody
Catalog # ABO10721

Specification

Anti-EGF Antibody - Product Information

Application	**WB, IHC**
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.

Anti-EGF Antibody - Additional Information

Gene ID 13645

Other Names
Pro-epidermal growth factor, EGF, Epidermal growth factor, Egf

Calculated MW
133072 MW KDa

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.

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

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No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, 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.

Anti-EGF Antibody - 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.

Anti-EGF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EGF Antibody - Images

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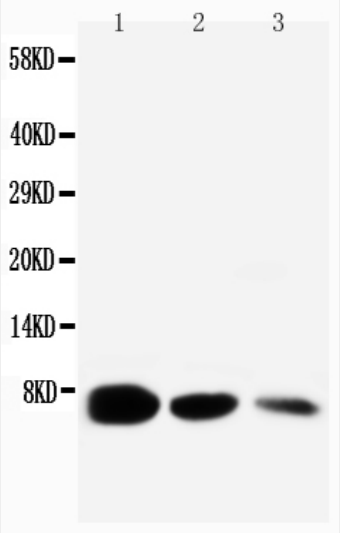
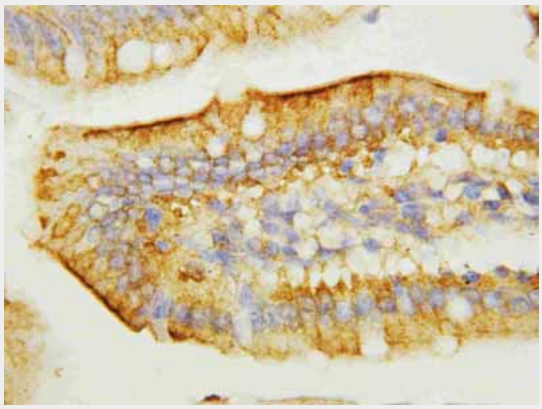


Anti-EGF antibody, ABO10721, Western blottingLane 1: Recombinant Mouse EGF Protein 10ngLane 2: Recombinant Mouse EGF Protein 5ngLane 3: Recombinant Mouse EGF Protein 2.5ng



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

Anti-EGF Antibody - 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 bones. EGF results in cellular proliferation, differentiation, and survival while plays an important physiological role in the maintenance of oro-esophageal and gastric tissue integrity.