

**Pro-EGF Antibody (internal region, near the N-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3861a

### Specification

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#### Pro-EGF Antibody (internal region, near the N-Term) - Product Information

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">P01133</a>  |
| Other Accession   | <a href="#">NP_001954.2</a> , <a href="#">NP_001171601.1</a> ,<br><a href="#">NP_001171602.1</a> , <a href="#">1950</a> |
| Reactivity        | Human   |
| Predicted         | Dog   |
| Host              | Goat  |
| Clonality         | Polyclonal  |
| Concentration     | 0.5 mg/ml   |
| Isotype           | IgG   |
| Calculated MW     | 133994  |

#### Pro-EGF Antibody (internal region, near the N-Term) - Additional Information

**Gene ID** 1950

#### Other Names

Pro-epidermal growth factor, EGF, Epidermal growth factor, Urogastrone, EGF

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Pro-EGF Antibody (internal region, near the N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

#### Pro-EGF Antibody (internal region, near the N-Term) - 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. Can induce neurite outgrowth in motoneurons of the pond snail *Lymnaea stagnalis* in vitro (PubMed: <http://www.uniprot.org/citations/10964941> target="\_blank">10964941</a>).

### Cellular Location

Membrane; Single-pass type I membrane protein.

### Tissue Location

Expressed in kidney, salivary gland, cerebrum and prostate.

### Pro-EGF Antibody (internal region, near the N-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Pro-EGF Antibody (internal region, near the N-Term) - Images



AF3861a (1 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Pro-EGF Antibody (internal region, near the N-Term) - Background

This antibody is expected to recognize all reported isoforms (NP\_001954.2; NP\_001171601.1; NP\_001171602.1), but not the mature form. The immunizing peptide represents part of the extracellular domain.

### Pro-EGF Antibody (internal region, near the N-Term) - References

Association between EGF +61A/G polymorphism and gastric cancer in Caucasians. Araújo AP, Costa BM, Pinto-Correia AL, Fragoso M, Ferreira P, Dinis-Ribeiro M, Costa S, Reis RM, Medeiros R. World J Gastroenterol. 2011 Jan 28;17(4):488-92. PMID: 21274378