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

Peptide-affinity purified goat antibody
Catalog # AF3861a

Specification

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

Application	**WB**
Primary Accession	P01133
Other Accession	NP_001954.2, NP_001171601.1, NP_001171602.1, 1950
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:10964941).

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 Cytomety
- 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