EGF Rabbit Polyclonal Antibody

CAB13615

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

134kDa

Calculated MW:

129kDa/133kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:50 -
1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein Background

This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. This protein acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Immunogen information

Gene ID:
1950

Uniprot
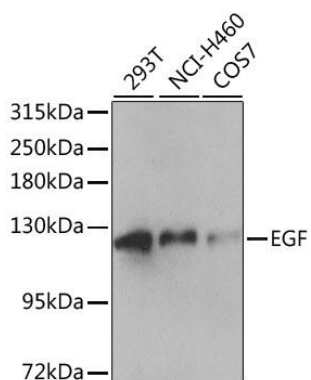P01133

Synonyms:
EGF; HOMG4; URG

Immunogen:
A synthetic peptide corresponding to a sequence within amino acids 850-950 of human EGF (NP_001954.2).
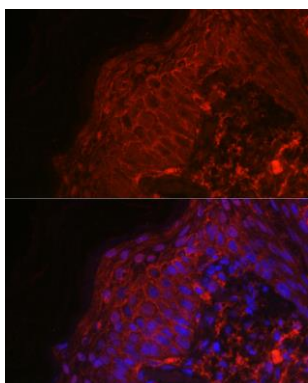
Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images

Western blot analysis of extracts of various cell lines, using EGF antibody (CAB13615) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.

Immunofluorescence analysis of human skin using EGF Rabbit pAb (CAB13615) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.